WASHINGTON STATE PATROL - TOXICOLOGY LABORATORY DIVISION
2203 Airport Way S, Suite 360 SEATTLE, WA 98134

ASCLD/LAB-International ACCREDITED
LABORATORY SINCE 11/16/2009

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 17038

CUSTOMER INFORMATION
Washington State Patrol – Breath Test Program
811 East Roanoke SEATTLE, WA 98102

TESTING PROCEDURE USED: TLD Technical Manual, Chapter 4.0 Certification of Simulator Solutions; Headspace-Gas Chromatography.

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 04/12/2017
BATCH UNITS: g/100mL
IDENTITY: QAP Solution
PREPARED BY: Justin L. Knoy

	JLK	AG	CM
1	0.100	0.098	0.099
2	0.100	0.099	0.099
3	0.101	0.100	0.099
4	0.100	0.100	0.101
5	0.100	0.099	0.102
C	0.103	0.100	0.101

ETHANOL CONTROL INFORMATION
LOT NUMBER: FN08051301 EXPIRATION: 10/2018 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0998 g/100mL
STANDARD DEVIATION: 0.00101
PRECISION CV (%): 1.02
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0811 g/210L**
EXPANDED UNCERTAINTY: ± 0.0022 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brittany Thomas — Forensic Scientist Supervisor

5/16/17
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
JLK	Justin L. Knoy		04/12/2017
AG	Andrew Gingras		04/13/2017
CM	Christie Mitchell-Mata		05/03/2017

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division.

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 5-22-17

Location: WSP. FLSB Seattle, WA Solution Batch Number: 17038

	YES	NO	N/A
Analysis dates do not precede preparation date:	☑	☐	☐
Declarations signed and properly dated:	☑	☐	☐
Data entry corresponds to all chromatograms:	☑	☐	☐
All signatures present on Test Report:	☑	☐	☐
Average solution concentration correct:	☑	☐	☐
Standard deviation correct:	☑	☐	☐
CV (%) correct:	☑	☐	☐
Equivalent vapor concentration correct:	☑	☐	☐
All chromatograms and sequences included in file:	☑	☐	☐
Ethanol control information present: (lot # present & used within expiration)	☑	☐	☐
Complies with accuracy and precision requirements established by the State Toxicologist:	☑	☐	☐

Comments:

Reviewer Signature:  Date: 5-22-17

Washington State Patrol - Toxicology Laboratory Division
QAP Test Report Calculation Record

QAP Solution Batch #: 17038 **Date Prepared: 4/12/2017**

Analyst:	JLK	AG	CM
Date Tested:	4/12/2017	4/13/2017	5/3/2017
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.100	0.098	0.099
2	0.100	0.099	0.099
3	0.101	0.100	0.099
4	0.100	0.100	0.101
5	0.100	0.099	0.102
C	0.103	0.100	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000068847	0.0000757445	0.0001016326

Ethanol Control Lot #: FN08051301
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0998 g/100mL
Standard Deviation: 0.00101 g/100mL
Precision CV (%): 1.02
Equivalent Vapor Concentration: 0.0811 g/210L
Combined Standard Uncertainty (±): 0.0011 g/210L
Expanded Uncertainty (±): 0.0022 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brittany Thomas (Name) Brittany Thomas (Signature) 5/5/17 (Date)

Calculations verified by: Amanda M. Black (Name) [signature] (Signature) 5-22-17 (Date) Method: Hand calculation

Tech. review performed by: Brittany Thomas (Name) Brittany Thomas (Signature) 5/5/17 (Date)

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

1) Checked your data
2) Checked the date to the right of your name on the Test Report
3) Signed the Test Report

	Initials	Date
Amanda Chandler		
Andrew Gingras	AG	5/9/17
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata	CM	5/11/17
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner		
Justin Knoy	JK	5.5.17
Katie Harris		
Lyndsey Knoy		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 17038 5/5/17

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 17038

I, Justin L. Knoy, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Biology, MS degree in Forensic Science, and am certified as a Diplomate in Forensic Toxicology by the American Board of Forensic Toxicology.

The quality assurance procedure (QAP) solution, Lot Number 17038, was prepared in the Washington State Toxicology Laboratory on 4/12/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 4/12/2018.

Seattle, WA

5.5.17

Justin L. Knoy — Date

Forensic Toxicologist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 17038

I, Andrew Gingras, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BS degree in Cell and Molecular Biology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17038, was prepared in the Washington State Toxicology Laboratory on 4/12/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 4/12/2018.

Seattle, WA

5/9/2017

Andrew Gingras — Date

Forensic Scientist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 17038

I, Christie Mitchell-Mata, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and my responsibilities include the preparation and certification of alcohol solutions for use with evidential breath test instruments.

I possess the following qualifications: BA degree in Chemistry, MFS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 17038, was prepared in the Washington State Toxicology Laboratory on 4/12/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 4/12/2018.

Seattle, WA

5/11/17

Christie Mitchell-Mata Date

Forensic Toxicologist

WSP-TLD **COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET**

FILE A COPY IN THE BATCH FILE FOR EACH SOLUTION LISTED ON THE WORKSHEET

Preparation Date: 4-12-17 Expiration Date: 4-12-18 Initials of Preparer: JK

Lot # of 200-proof Ethanol used in preparation: 2FE0139

Date the 200-proof Ethanol bottle was opened: 4-12-17

After opening, each bottle of 200-proof Ethanol is approved for use for 6 months unless an extension is approved by the State Toxicologist. This timeframe applies to the 200-proof Ethanol only, not to simulator solutions which have a 1 year expiration.

Environmental conditions verified as acceptable: ☑

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☑	17034
QAP 0.08	22.4	18	☑	17035
QAP 0.10	28.1	18	☑	17036
QAP 0.15	42.1	18	☑	17037
QAP 0.20 ~~0.08~~ JK 4-12-17	~~56.1~~ 22.4mL JK 4.20.17	18	☑	17038
ESS	66.5	52	☐	N/A

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 4-12-17 Date

If different ethanol lot numbers are used in the preparation of solutions, record them and the corresponding solution batch numbers in the comments section.

Comments:

Analyst Signature

4-12-17 Date

- 17038 BT 4/20/17

Sequence: C:\HPCHEM\1\SEQUENCE\JKQARUN1.S

Sequence Parameters:

Operator:	Justin Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	170412JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0217-01 - Exp. 08/21/2017
Ethanol Calibrator 2, E0217-02 - Exp. 08/21/2017
Ethanol Calibrator 3, E0217-03 - Exp. 08/21/2017
CTRL1 (0.04g/100mL), Lot # FN12181501 - Exp. 12/2020
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN08101505 - Exp. 02/2021
Internal Standard Lot#P0317 - Exp. 06/13/2017

Calibration vials 1-9 filed with 17034.

Diluter #1 JK 4.20.17 Reviewed BT 4/20/17

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17034-1	SIMALC1	1	Sample		
11	Vial 11	17034-2	SIMALC1	1	Sample		
12	Vial 12	17034-3	SIMALC1	1	Sample		
13	Vial 13	17034-4	SIMALC1	1	Sample		
14	Vial 14	17034-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17035-1	SIMALC1	1	Sample		
18	Vial 18	17035-2	SIMALC1	1	Sample		
19	Vial 19	17035-3	SIMALC1	1	Sample		
20	Vial 20	17035-4	SIMALC1	1	Sample		
21	Vial 21	17035-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	17036-1	SIMALC1	1	Sample		
25	Vial 25	17036-2	SIMALC1	1	Sample		
26	Vial 26	17036-3	SIMALC1	1	Sample		

17038
BT
4/20/17

JK

Sequence: C:\HPCHEM\1\SEQUENCE\JKQARUN1.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	17036-4	SIMALC1	1	Sample		
28	Vial 28	17036-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	17037-1	SIMALC1	1	Sample		
32	Vial 32	17037-2	SIMALC1	1	Sample		
33	Vial 33	17037-3	SIMALC1	1	Sample		
34	Vial 34	17037-4	SIMALC1	1	Sample		
35	Vial 35	17037-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	17038-1	SIMALC1	1	Sample		
39	Vial 39	17038-2	SIMALC1	1	Sample		
40	Vial 40	17038-3	SIMALC1	1	Sample		
41	Vial 41	17038-4	SIMALC1	1	Sample		
42	Vial 42	17038-5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

17038
BT
4/20/17

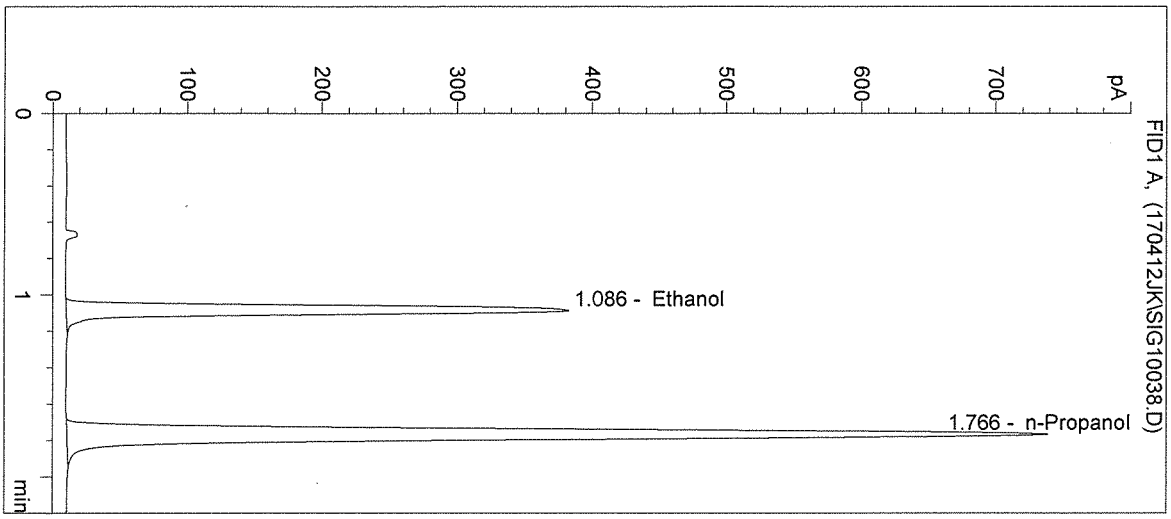
JK

JK

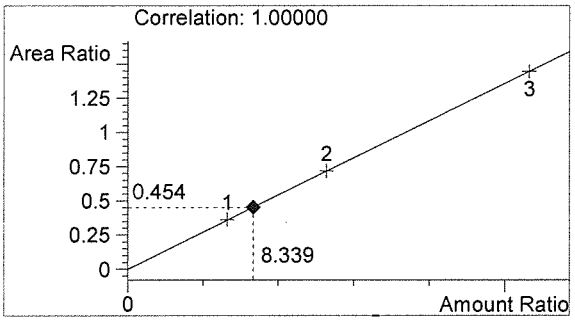
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2017 1:04:26 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

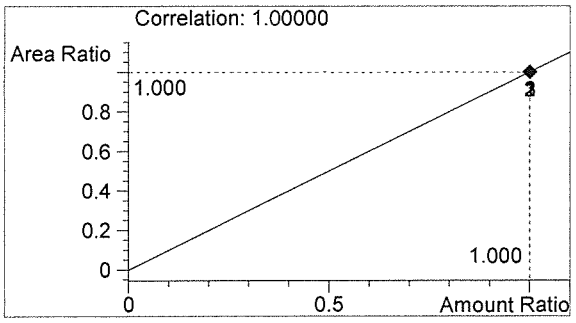
Sample Name: 17038-1
Operator: Justin Knoy
Location: Vial 38



#	Compound	Peak Area	RT (min)
1	Ethanol	1237	1.086
2	n-Propanol	2727	1.766



Ethanol 0.100 g/100mL



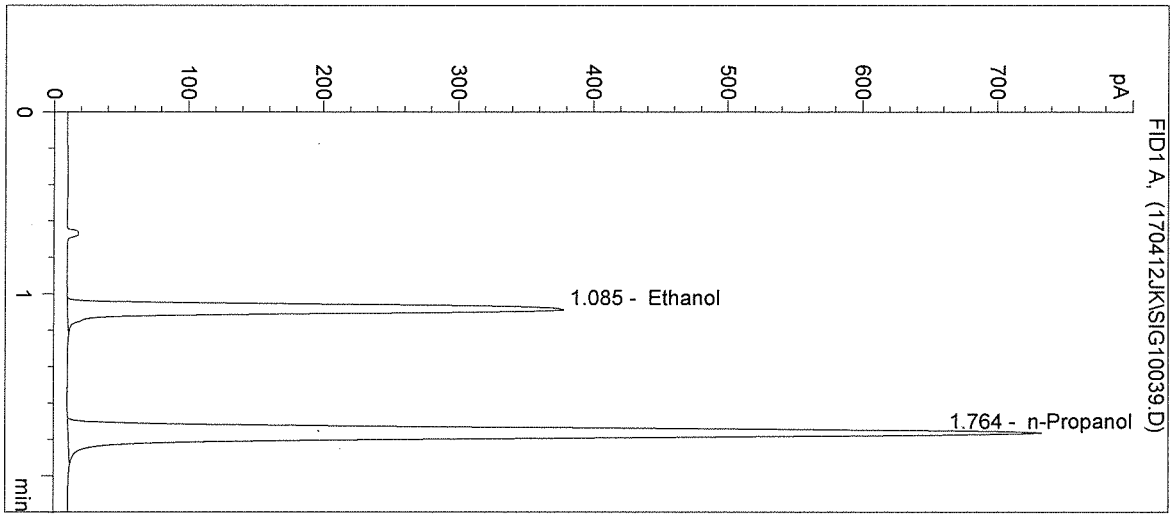
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170412JK\SIG10038.D

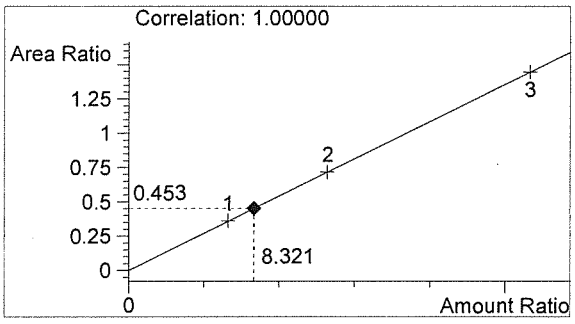
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2017 1:07:39 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

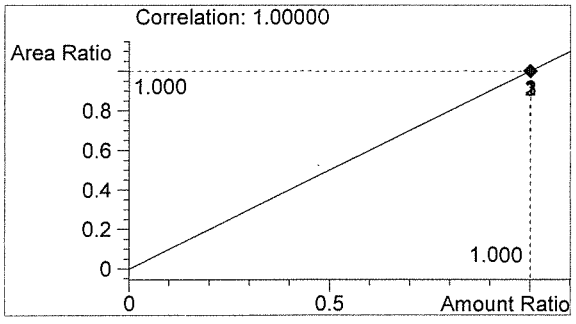
Sample Name: 17038-2
Operator: Justin Knoy
Location: Vial 39



#	Compound	Peak Area	RT (min)
1	Ethanol	1217	1.085
2	n-Propanol	2689	1.764



Ethanol 0.100 g/100mL



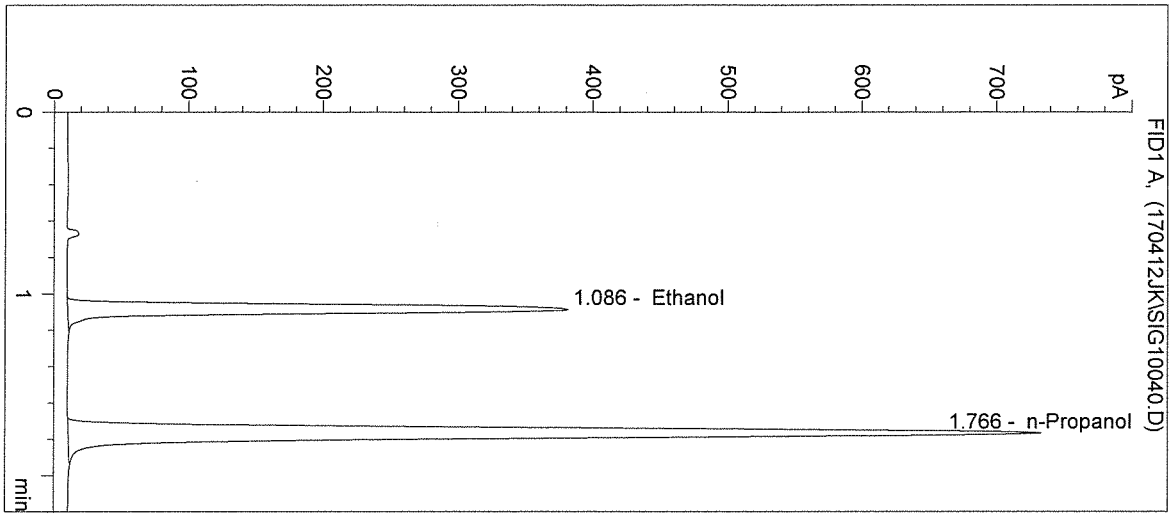
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170412JK\SIG10039.D

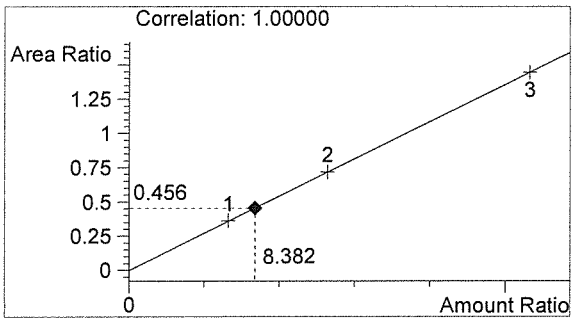
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2017 1:10:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

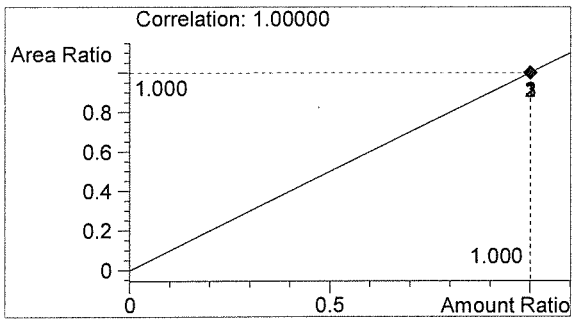
Sample Name: 17038-3
Operator: Justin Knoy
Location: Vial 40



#	Compound	Peak Area	RT (min)
1	Ethanol	1228	1.086
2	n-Propanol	2694	1.766



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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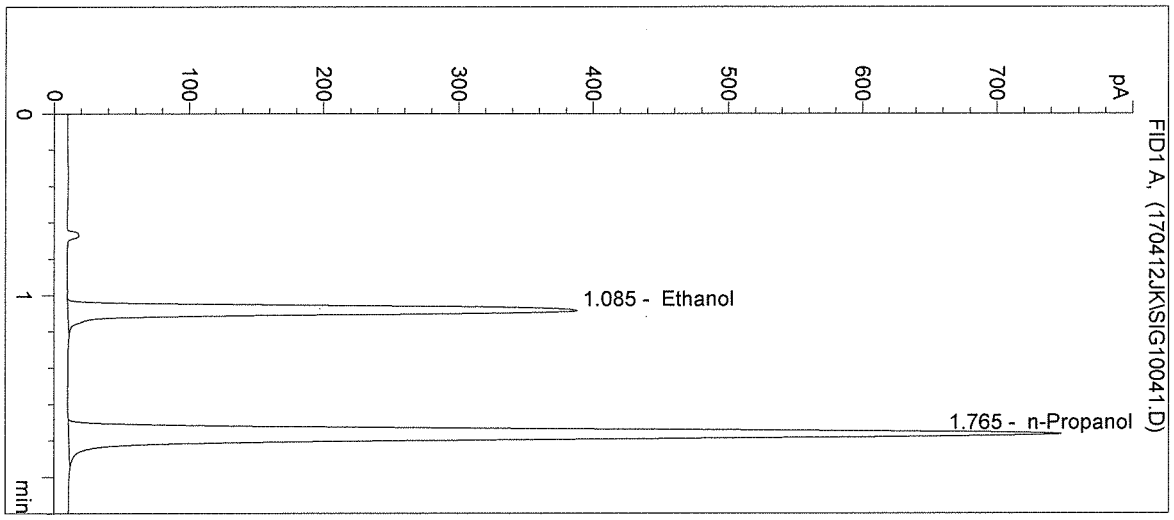
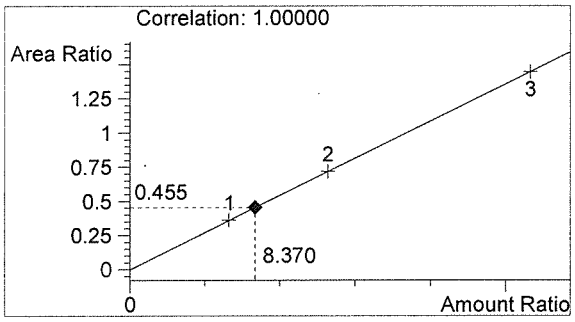
Inj. Date: 4/12/2017 1:14:06 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

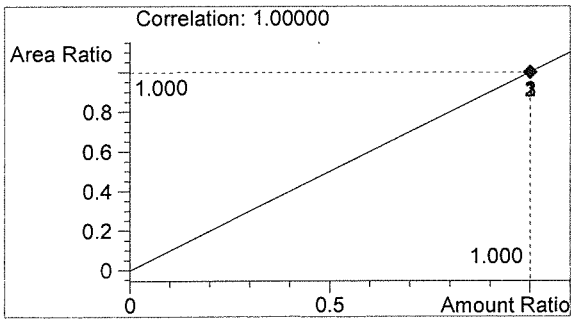
Sample Name: 17038-4
Operator: Justin Knoy
Location: Vial 41



#	Compound	Peak Area	RT (min)
1	Ethanol	1250	1.085
2	n-Propanol	2746	1.765



Ethanol 0.100 g/100mL

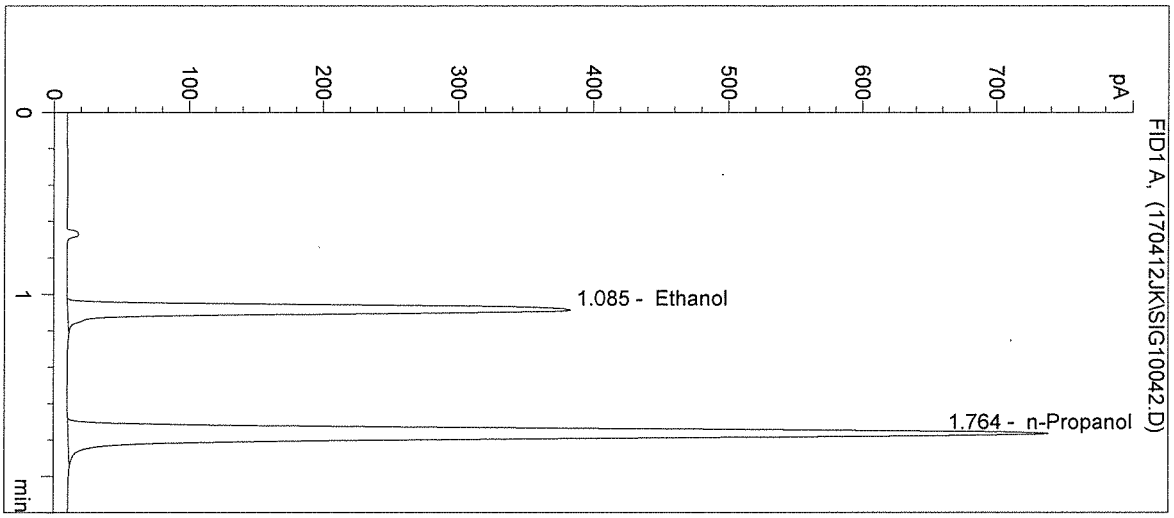


n-Propanol 0.012 g/100mL

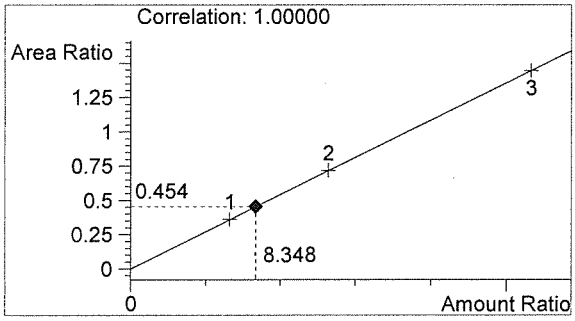
Data File: C:\HPCHEM\1\DATA\170412JK\SIG10041.D

Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

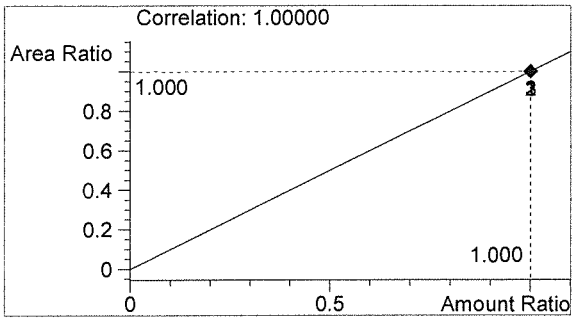
Inj. Date: 4/12/2017 1:17:19 PM Sample Name: 17038-5
Instrument: HSGC#1 Operator: Justin Knoy
Column: DB-ALC1 Location: Vial 42
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1231	1.085
2	n-Propanol	2712	1.764



Ethanol 0.100 g/100mL

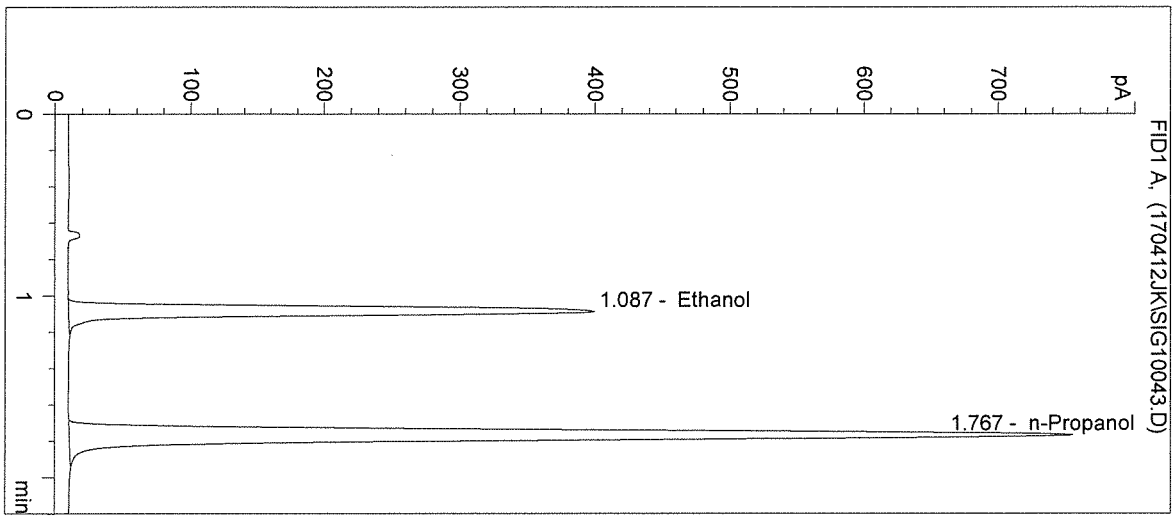


n-Propanol 0.012 g/100mL

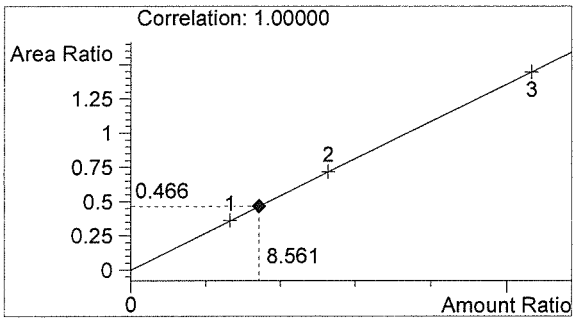
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2017 1:20:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

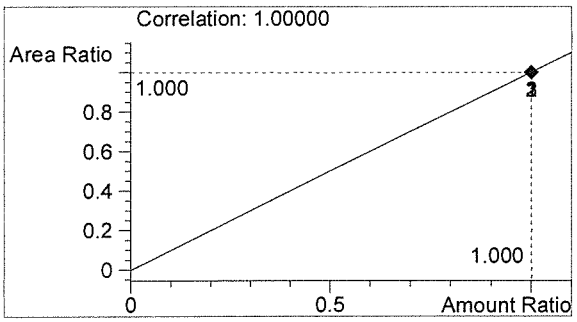
Sample Name: 0.10 CTRL
Operator: Justin Knoy
Location: Vial 43



#	Compound	Peak Area	RT (min)
1	Ethanol	1292	1.087
2	n-Propanol	2776	1.767



Ethanol 0.103 g/100mL



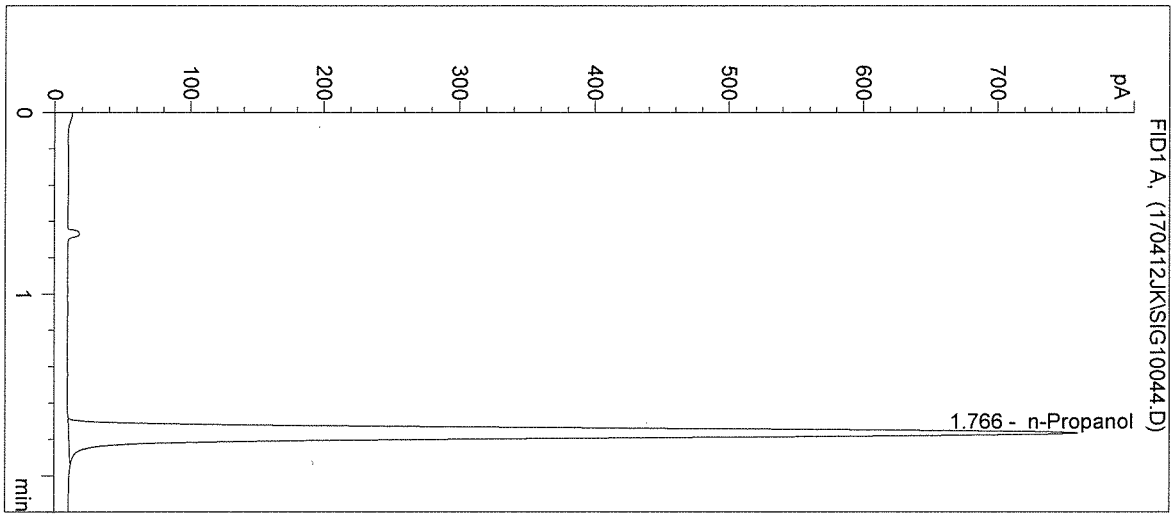
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170412JK\SIG10043.D

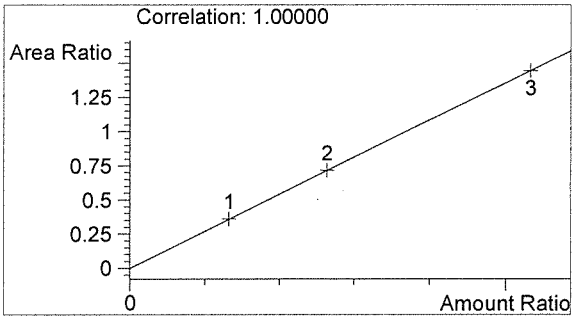
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2017 1:23:46 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

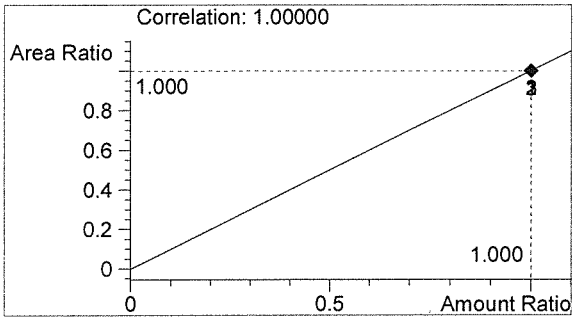
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 44



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2795	1.766



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

JK

Sequence: C:\HPCHEM\1\SEQUENCE\AGQAPS.S

Sequence Parameters:

Operator:	Andrew Gingras
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	170413AG
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
CAL 1 (0.079g/100mL) - LOT# E0217-01 - EXP 8/21/2017
CAL 2 (0.158g/100mL) - LOT# E0217-02 - EXP 8/21/2017
CAL 3 (0.316g/100mL) - LOT# E0217-03 - EXP 8/21/2017

n-Propanol ISTD - LOT# P0117 - 4/20/2017
CTRL 1 (0.04g/100mL) - LOT# FN12181501 - EXP 12/2020
CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
CTRL 3 (0.20g/100mL) - LOT# FN08101505 - EXP 2/2021

Calibrators and controls filed with 17034
Dilutor #3
AC
4/13/17

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	QAP 17034 #1	SIMALC1	1	Sample		
11	Vial 11	QAP 17034 #2	SIMALC1	1	Sample		
12	Vial 12	QAP 17034 #3	SIMALC1	1	Sample		
13	Vial 13	QAP 17034 #4	SIMALC1	1	Sample		
14	Vial 14	QAP 17034 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	QAP 17035 #1	SIMALC1	1	Sample		
18	Vial 18	QAP 17035 #2	SIMALC1	1	Sample		
19	Vial 19	QAP 17035 #3	SIMALC1	1	Sample		
20	Vial 20	QAP 17035 #4	SIMALC1	1	Sample		
21	Vial 21	QAP 17035 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	QAP 17036 #1	SIMALC1	1	Sample		

PT 4/12/17
17038

17038 PT 4/12/17
17039 PT 4/13

Sequence: C:\HPCHEM\1\SEQUENCE\AGQAPS.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	QAP 17036 #2	SIMALC1	1	Sample		
26	Vial 26	QAP 17036 #3	SIMALC1	1	Sample		
27	Vial 27	QAP 17036 #4	SIMALC1	1	Sample		
28	Vial 28	QAP 17036 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	QAP 17037 #1	SIMALC1	1	Sample		
32	Vial 32	QAP 17037 #2	SIMALC1	1	Sample		
33	Vial 33	QAP 17037 #3	SIMALC1	1	Sample		
34	Vial 34	QAP 17037 #4	SIMALC1	1	Sample		
35	Vial 35	QAP 17037 #5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		
38	Vial 38	QAP 17038 #1	SIMALC1	1	Sample		
39	Vial 39	QAP 17038 #2	SIMALC1	1	Sample		
40	Vial 40	QAP 17038 #3	SIMALC1	1	Sample		
41	Vial 41	QAP 17038 #4	SIMALC1	1	Sample		
42	Vial 42	QAP 17038 #5	SIMALC1	1	Sample		
43	Vial 43	0.10 CTRL	SIMALC1	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

17038 BT 4/22/17

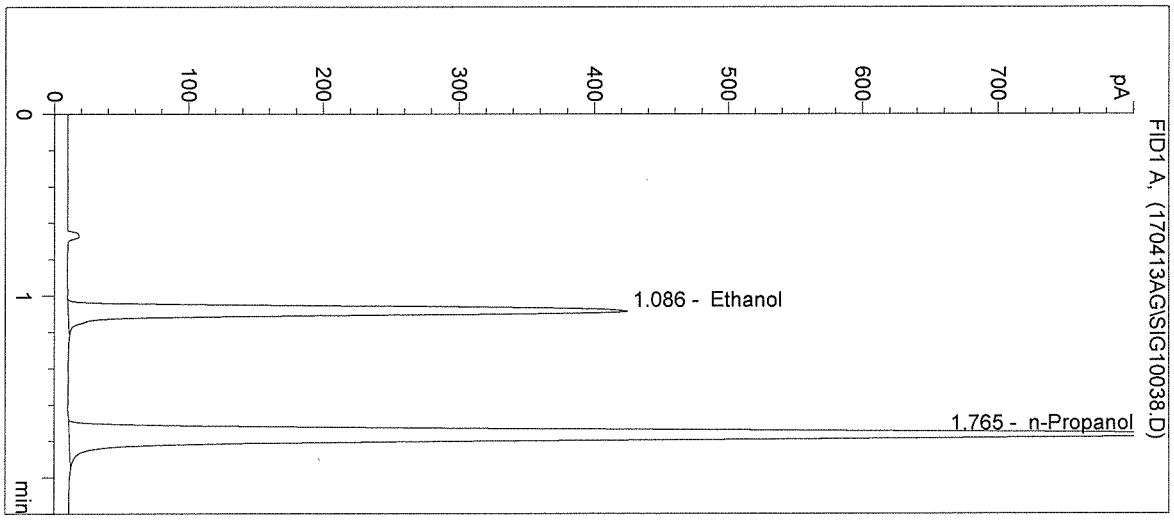
17038 BT 4/22/17

17038 BT 4/22/17

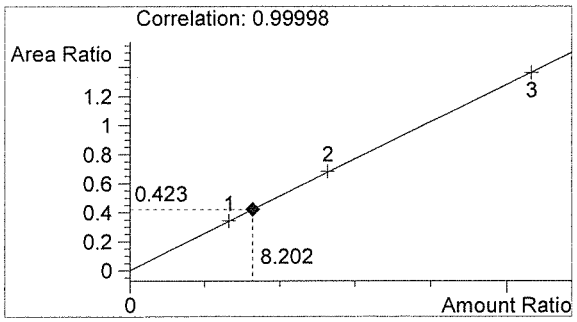
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2017 4:32:11 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

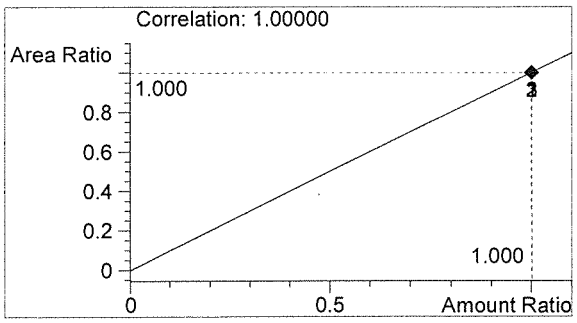
Sample Name: QAP 17038 #1
Operator: Andrew Gingras
Location: Vial 38



#	Compound	Peak Area	RT (min)
1	Ethanol	1365	1.086
2	n-Propanol	3226	1.765



Ethanol 0.098 g/100mL



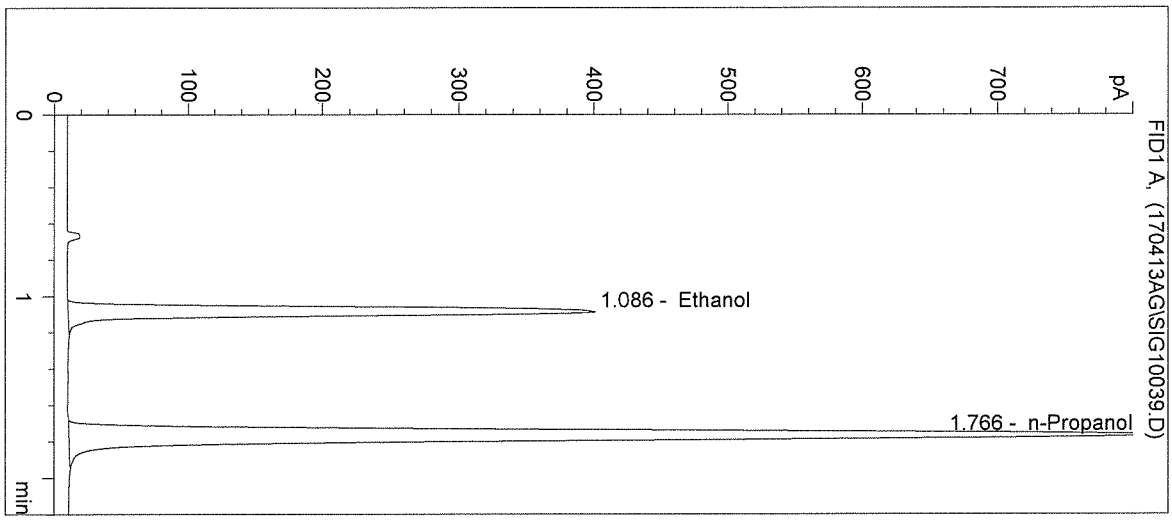
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170413AG\SIG10038.D

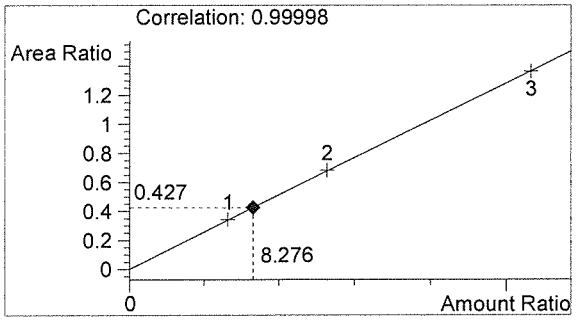
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2017 4:35:24 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

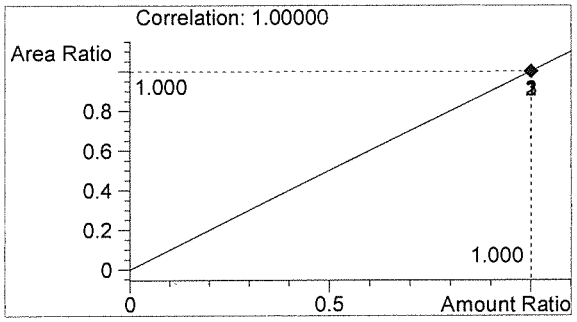
Sample Name: QAP 17038 #2
Operator: Andrew Gingras
Location: Vial 39



#	Compound	Peak Area	RT (min)
1	Ethanol	1298	1.086
2	n-Propanol	3042	1.766



Ethanol 0.099 g/100mL



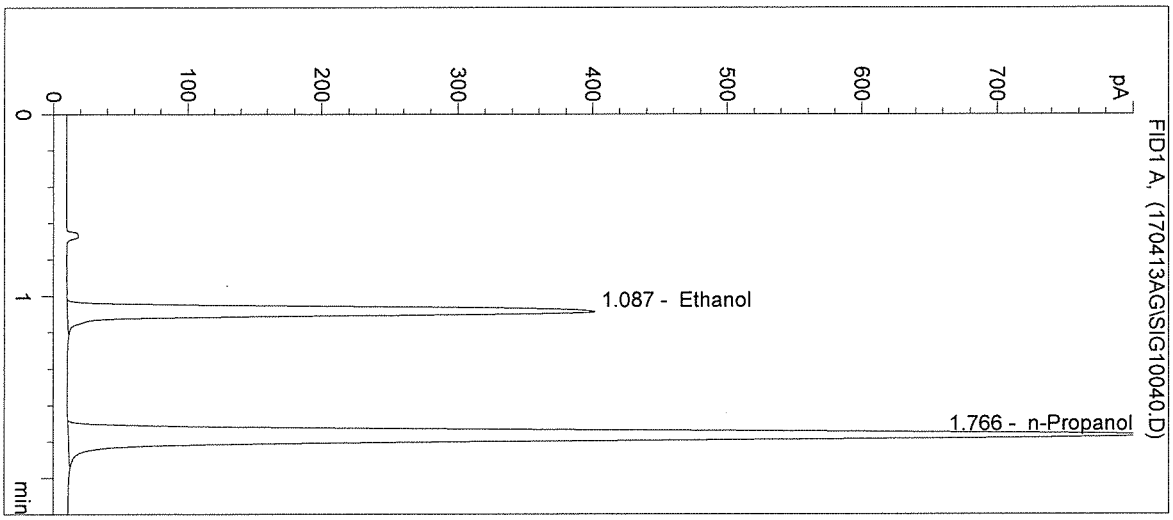
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170413AG\SIG10039.D

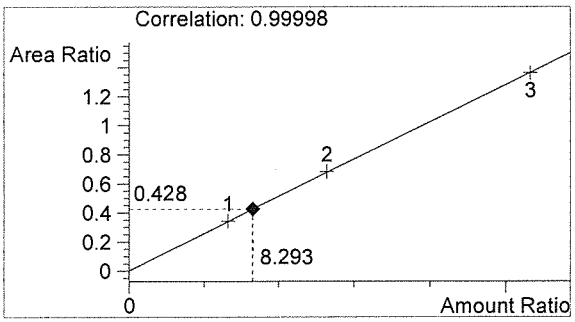
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2017 4:38:38 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

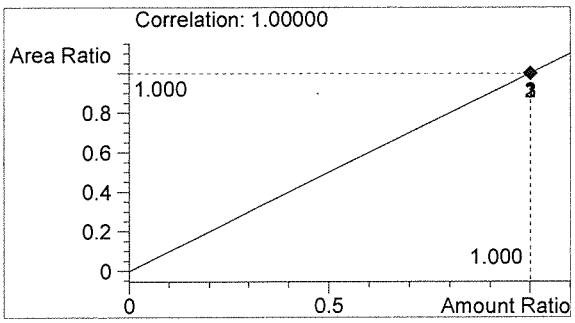
Sample Name: QAP 17038 #3
Operator: Andrew Gingras
Location: Vial 40



#	Compound	Peak Area	RT (min)
1	Ethanol	1301	1.087
2	n-Propanol	3043	1.766



Ethanol 0.100 g/100mL



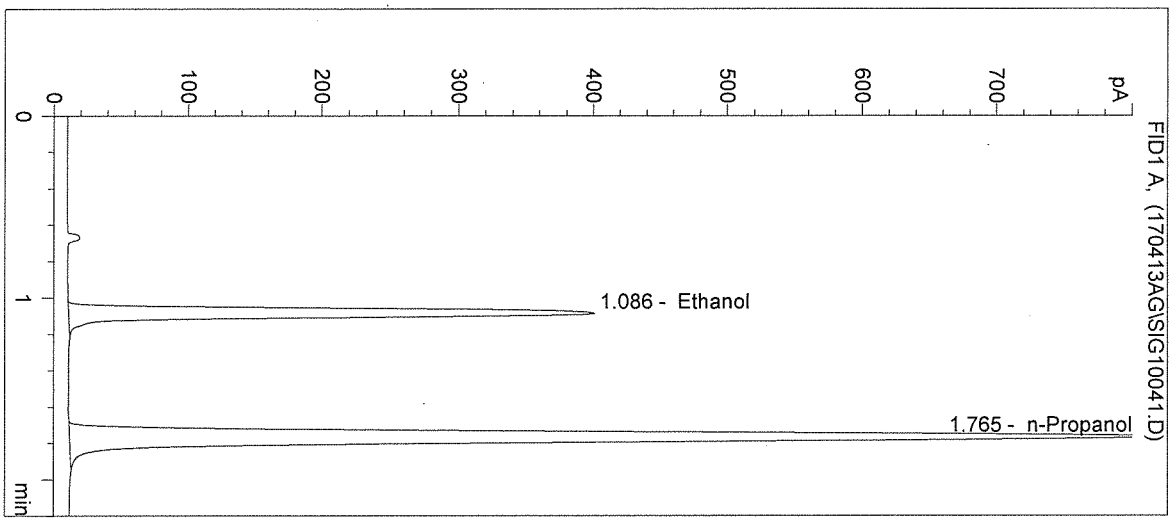
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170413AG\SIG10040.D

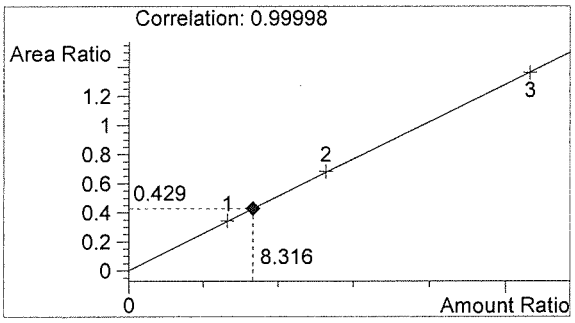
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2017 4:41:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

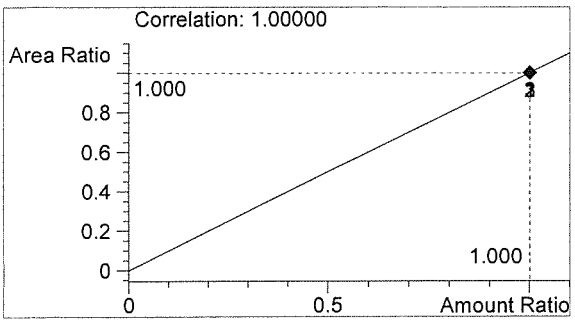
Sample Name: QAP 17038 #4
Operator: Andrew Gingras
Location: Vial 41



#	Compound	Peak Area	RT (min)
1	Ethanol	1293	1.086
2	n-Propanol	3016	1.765



Ethanol 0.100 g/100mL



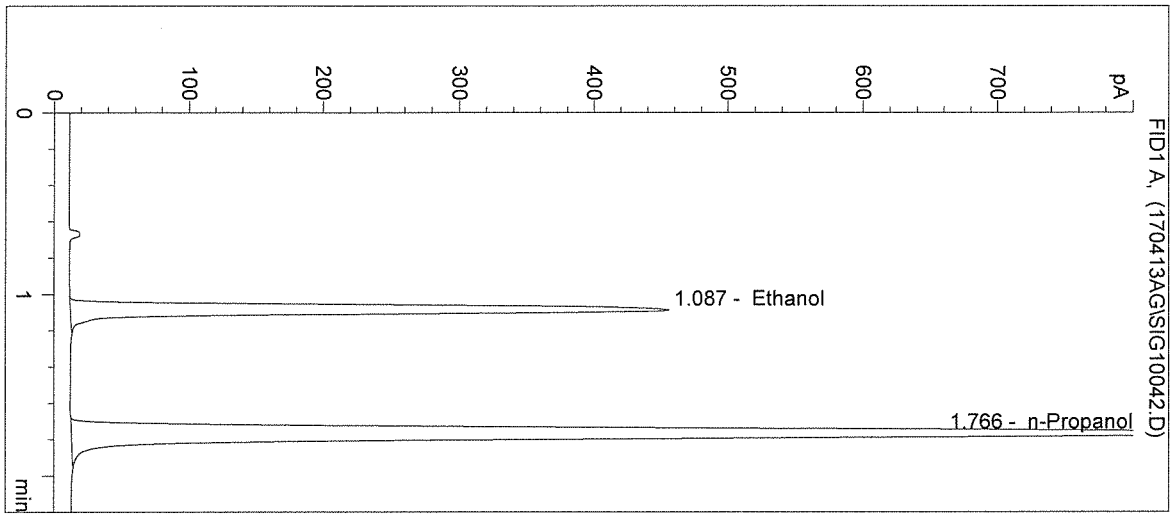
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170413AG\SIG10041.D

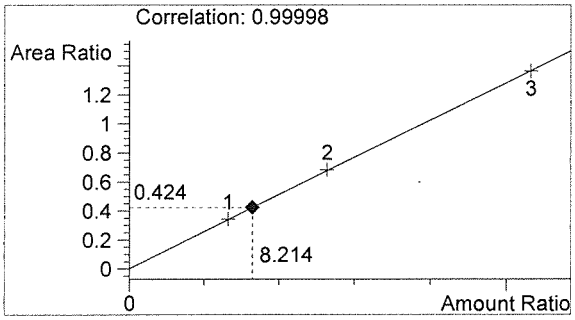
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2017 4:45:04 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

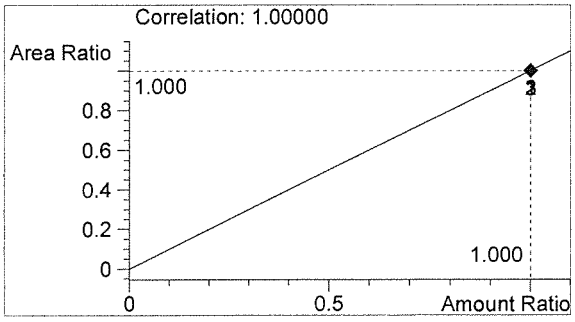
Sample Name: QAP 17038 #5
Operator: Andrew Gingras
Location: Vial 42



#	Compound	Peak Area	RT (min)
1	Ethanol	1462	1.087
2	n-Propanol	3452	1.766



Ethanol 0.099 g/100mL



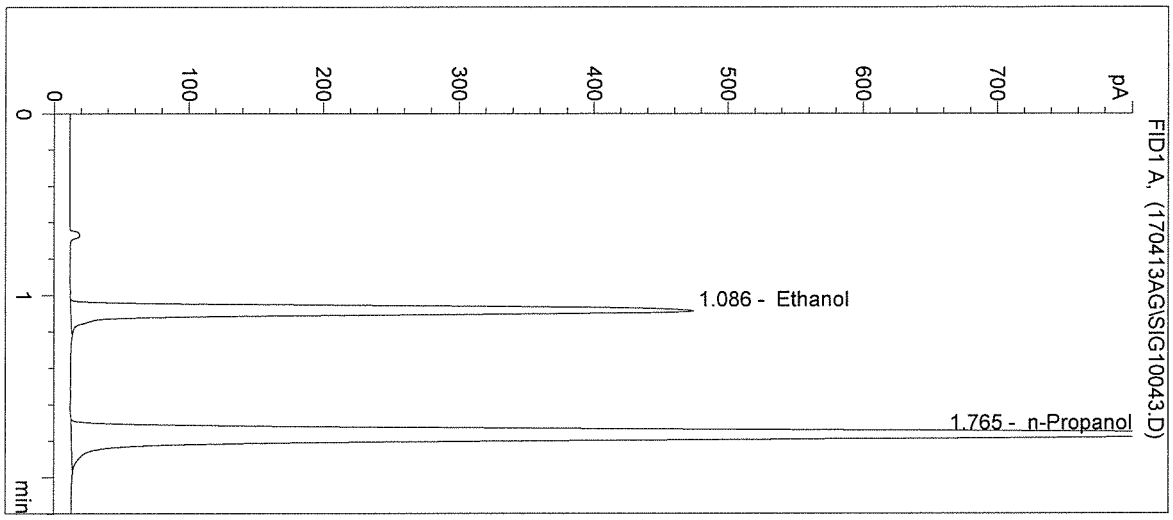
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170413AG\SIG10042.D

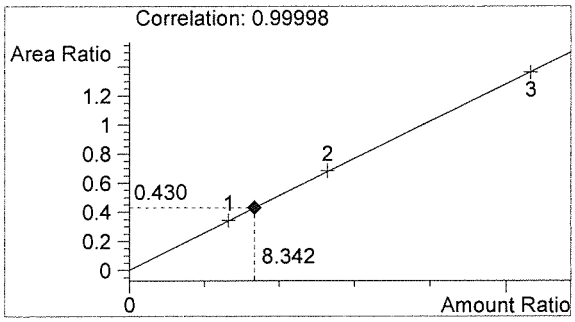
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2017 4:48:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

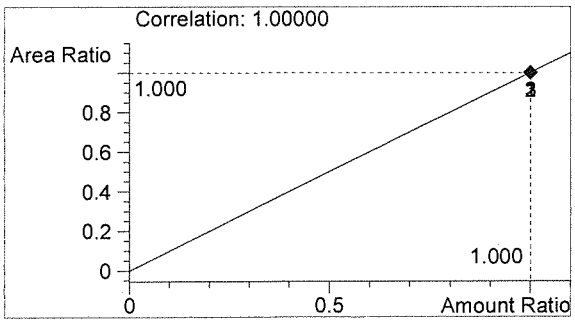
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 43



#	Compound	Peak Area	RT (min)
1	Ethanol	1512	1.086
2	n-Propanol	3514	1.765



Ethanol 0.100 g/100mL

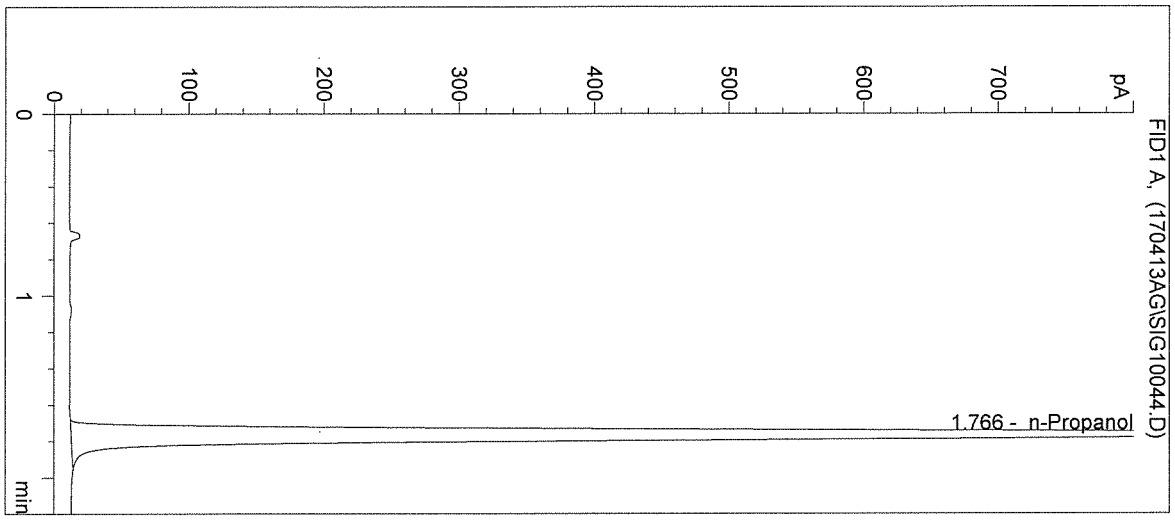


n-Propanol 0.012 g/100mL

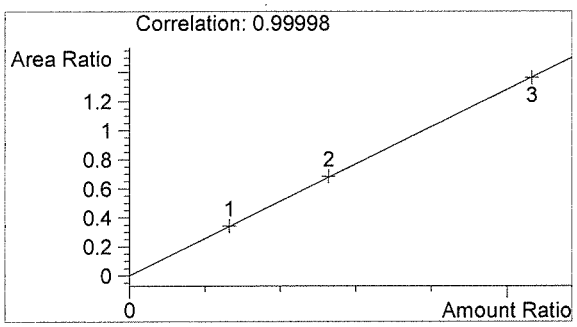
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2017 4:51:30 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

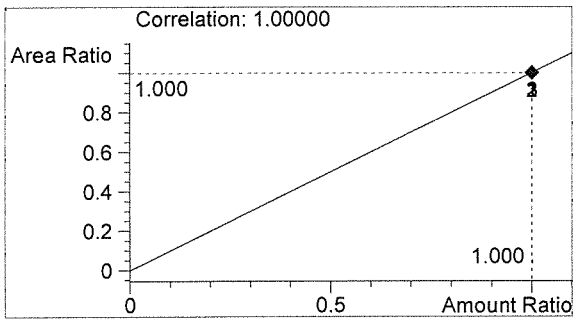
Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 44



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3664	1.766



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170413AG\SIG10044.D

Sequence: C:\HPCHEM\1\SEQUENCE\CMQAP2.S

Sequence Parameters:

Operator:	Christie Mitchell-Mata
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	170503CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1 0.079 g/100 mL, E0217-01 - Exp. 08/21/17
Ethanol Calibrator 2 0.158 g/100 mL, E0217-02 - Exp. 08/21/17
Ethanol Calibrator 3 0.316 g/100 mL, E0217-03 - Exp. 08/21/17
0.04 Control - Lot #FN12181501 - Exp. 12/2020
0.10 Control - Lot #FN08051301 - Exp. 10/2018
0.20 Control - Lot #FN08101505 - Exp. 02/2021
ISTD Lot#P0317 - Exp. 06/13/2017
Dilutor #3
Calibration 1-9 filed with 17038

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	Negative CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	Negative CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17038 #1	SIMALC1	1	Sample		
11	Vial 11	17038 #2	SIMALC1	1	Sample		
12	Vial 12	17038 #3	SIMALC1	1	Sample		
13	Vial 13	17038 #4	SIMALC1	1	Sample		
14	Vial 14	17038 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative CTRL	SIMALC1	1	Ctrl Samp		

17038

BF
5/5/17

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	0.079 CAL 1	SIMALC1	1	Replace	Replace	
3	Vial 3	0.158 CAL 2	SIMALC1	2	Replace	Replace	
4	Vial 4	0.316 CAL 3	SIMALC1	3	Replace	Replace	

Sequence: C:\HPCHEM\1\SEQUENCE\CMQAP2.S

Sequence Table (Back Injector):

No entries - empty table!

17038

BT 5/5/17

Method C:\HPCHEM\1\METHODS\SIMALC1.M

Calibration Table

Calib. Data Modified : Wednesday, May 03, 2017 2:47:43 PM

Calculate : Internal Standard
Based on : Peak Area

Rel. Reference Window : 5.000 %
Abs. Reference Window : 0.050 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.050 min
Multiplier : 1.0000
Dilution : 1.0000
Sample Amount : 0.00000
Use Multiplier & Dilution Factor with ISTDs
Uncalibrated Peaks : not reported
Partial Calibration : No recalibration if peaks missing

Curve Type : Linear
Origin : Included
Weight : Equal

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Normal Report after Recalibration

Sample ISTD Information:

ISTD #	ISTD Amount [g/100mL]	Name
1	1.20000e-2	n-Propanol

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.084	1	1	7.91500e-2	948.58350	8.34402e-5	1		Ethanol
		2	1.58300e-1	1883.15637	8.40610e-5			
		3	3.19520e-1	3753.83862	8.51182e-5			
1.764	1	1	1.20000e-2	2643.07031	4.54017e-6	I1		n-Propanol
		2	1.20000e-2	2626.21289	4.56932e-6			
		3	1.20000e-2	2623.36938	4.57427e-6			

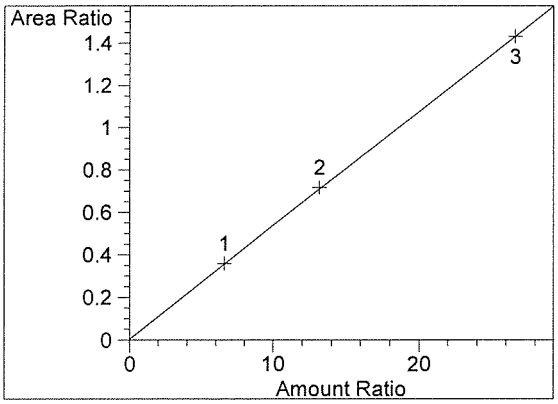
Peak Sum Table

No Entries in table

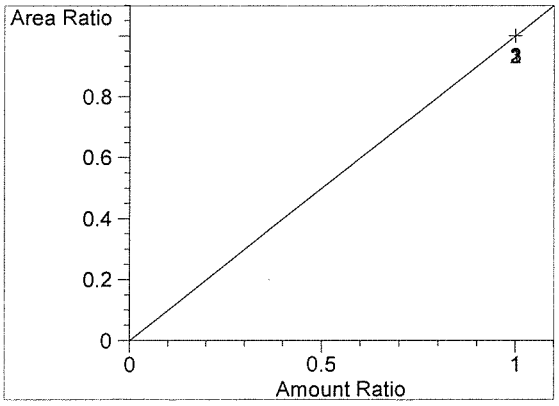
17038

PGT 5/5/17

Calibration Curves



Ethanol at exp. RT: 1.084
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00480
Formula: y = mx + b
m: 5.37163e-2
b: 3.42034e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.764
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

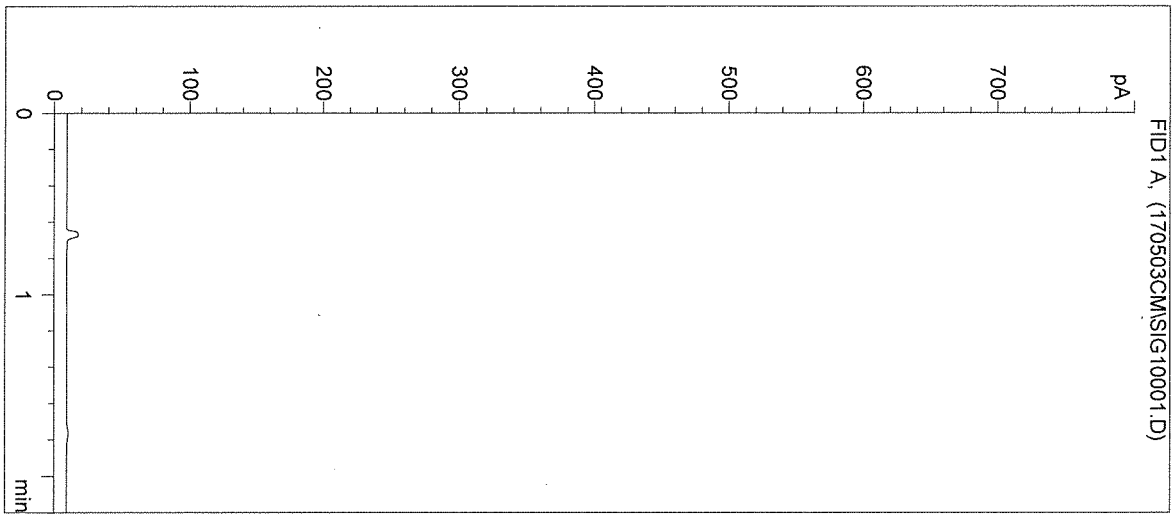
17038

PDT 5/5/17

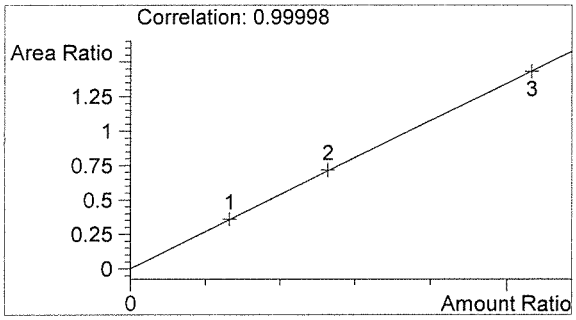
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 2:35:36 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

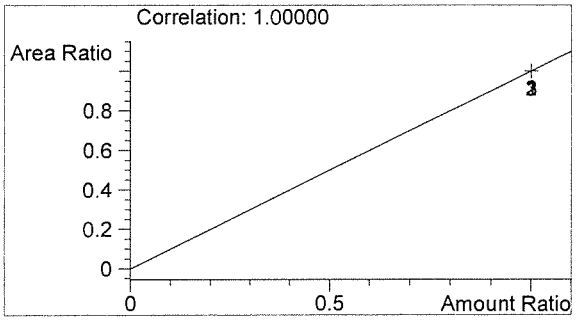
Sample Name: BLANK
Operator: Christie Mitchell-Mata
Location: Vial 1



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

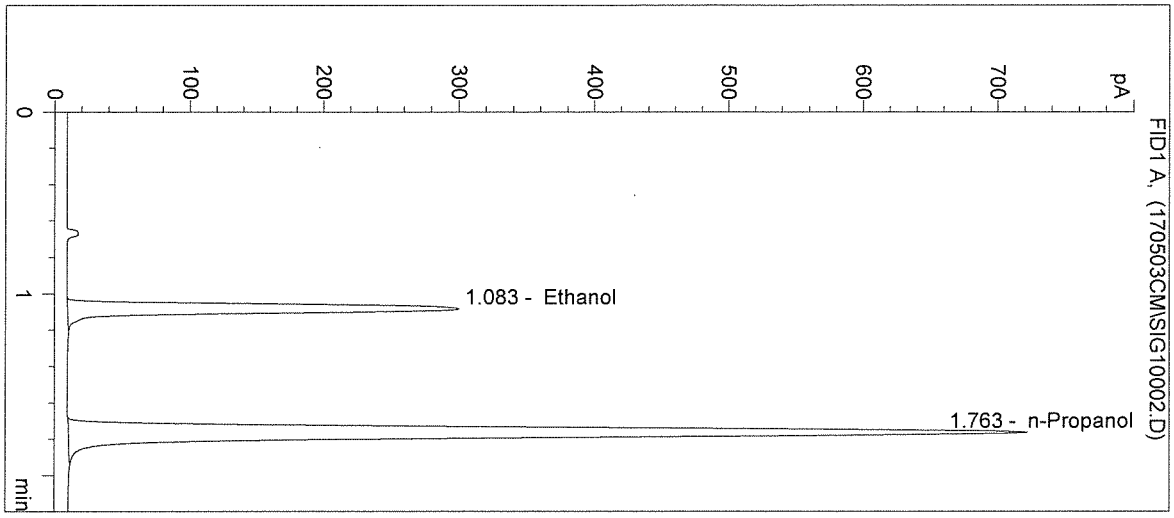


n-Propanol 0.000 g/100mL

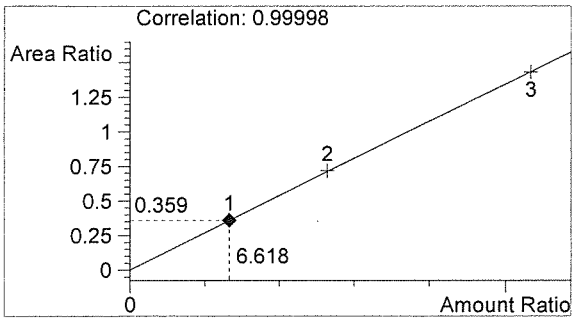
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 2:38:55 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

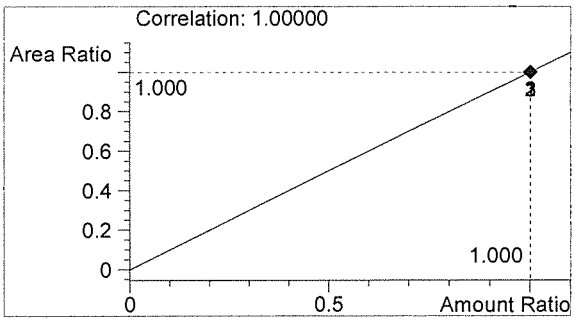
Sample Name: 0.079 CAL 1
Operator: Christie Mitchell-Mata
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	949	1.083
2	n-Propanol	2643	1.763



Ethanol 0.079 g/100mL

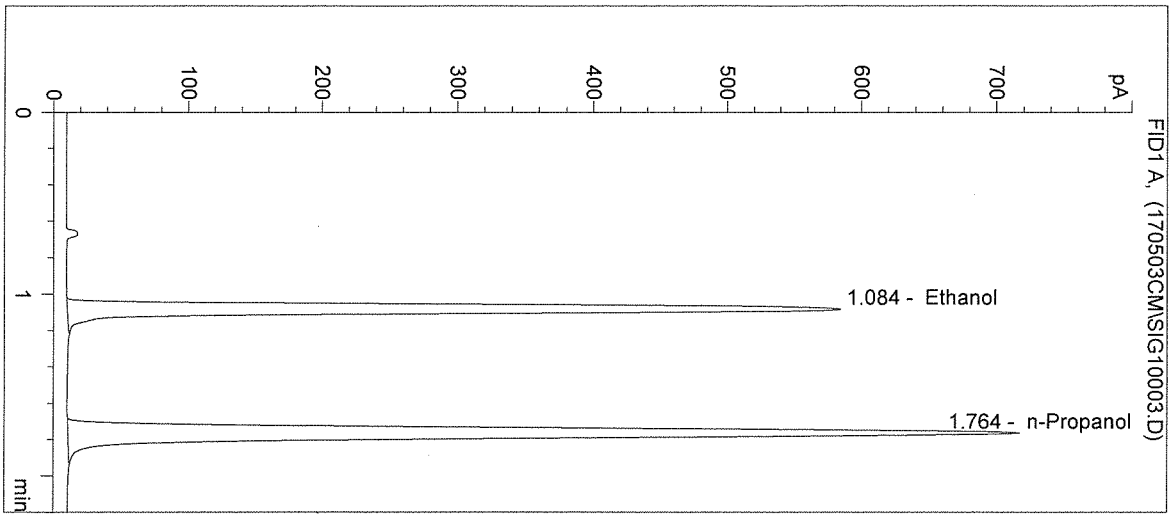


n-Propanol 0.012 g/100mL

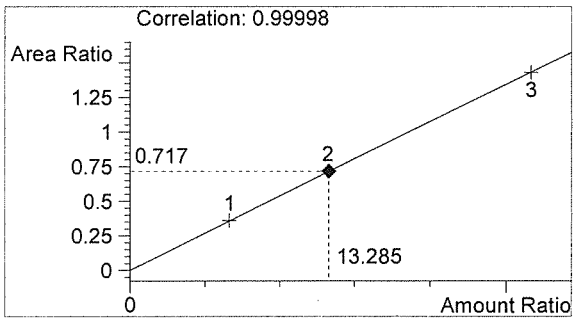
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 2:42:13 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

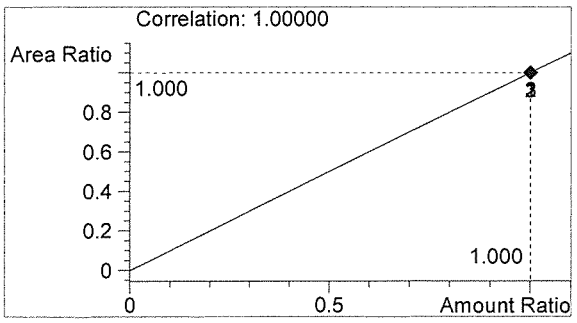
Sample Name: 0.158 CAL 2
Operator: Christie Mitchell-Mata
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1883	1.084
2	n-Propanol	2626	1.764



Ethanol 0.159 g/100mL

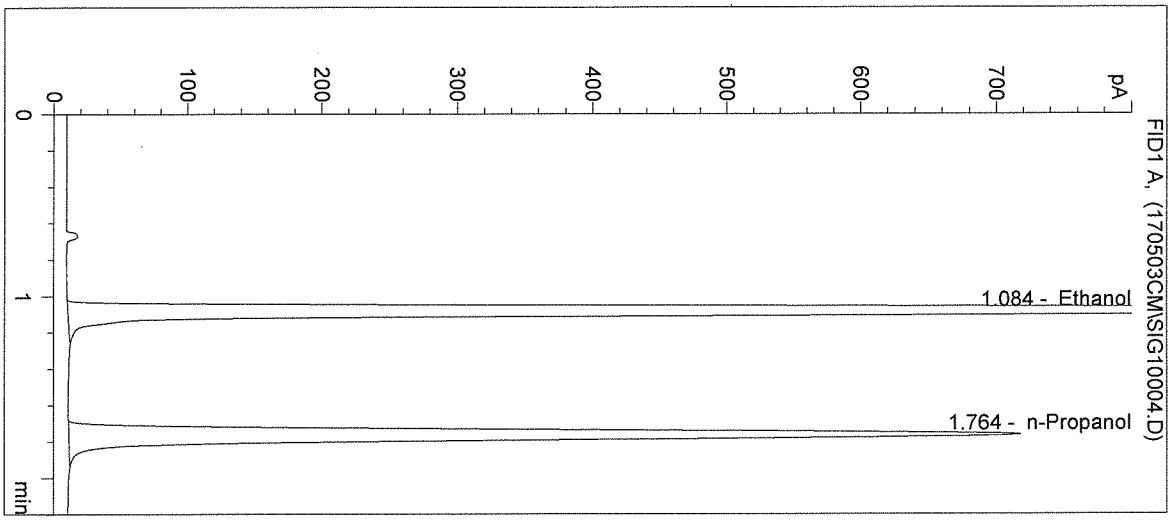


n-Propanol 0.012 g/100mL

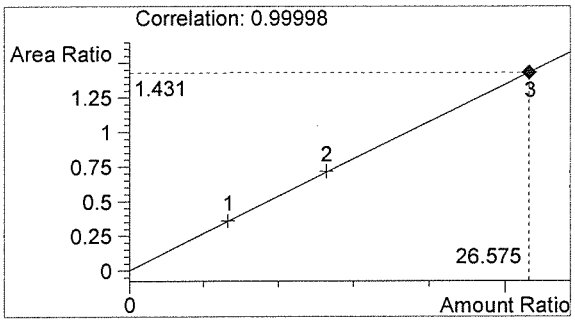
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 2:45:29 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

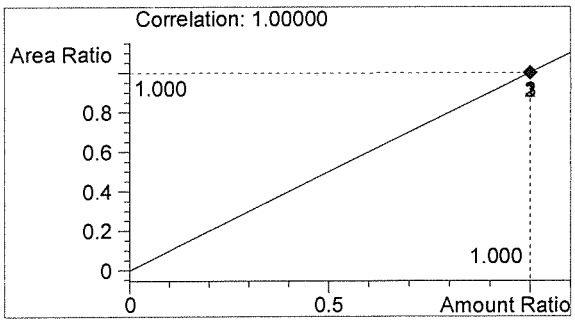
Sample Name: 0.316 CAL 3
Operator: Christie Mitchell-Mata
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3754	1.084
2	n-Propanol	2623	1.764



Ethanol 0.319 g/100mL

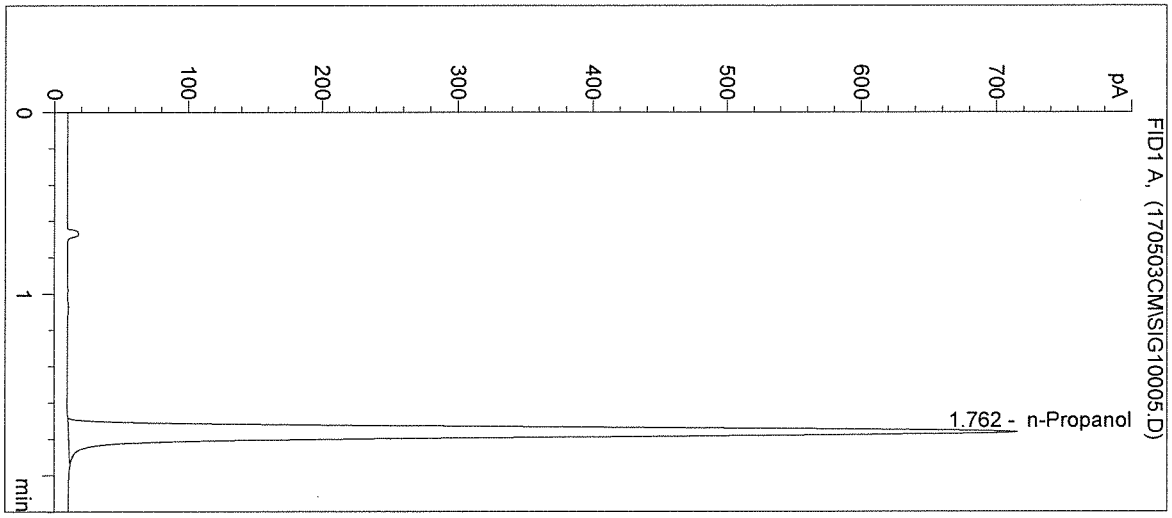


n-Propanol 0.012 g/100mL

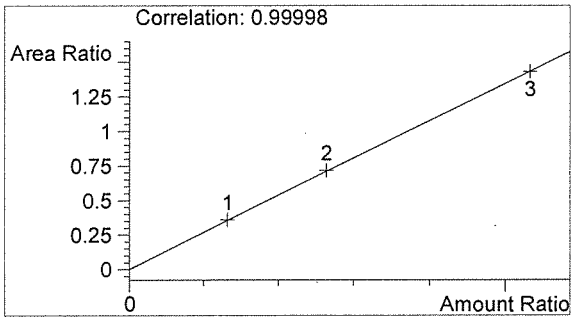
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 2:48:43 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

Sample Name: Negative CTRL
Operator: Christie Mitchell-Mata
Location: Vial 5

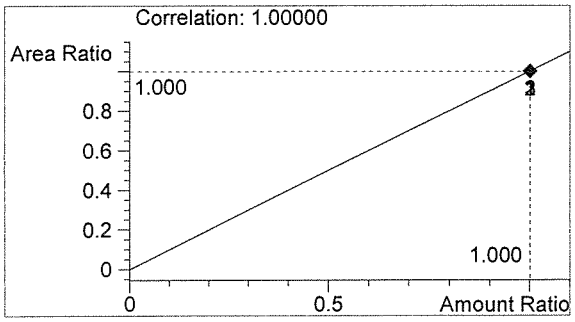


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2619	1.762



Ethanol 0.000 g/100mL

BT

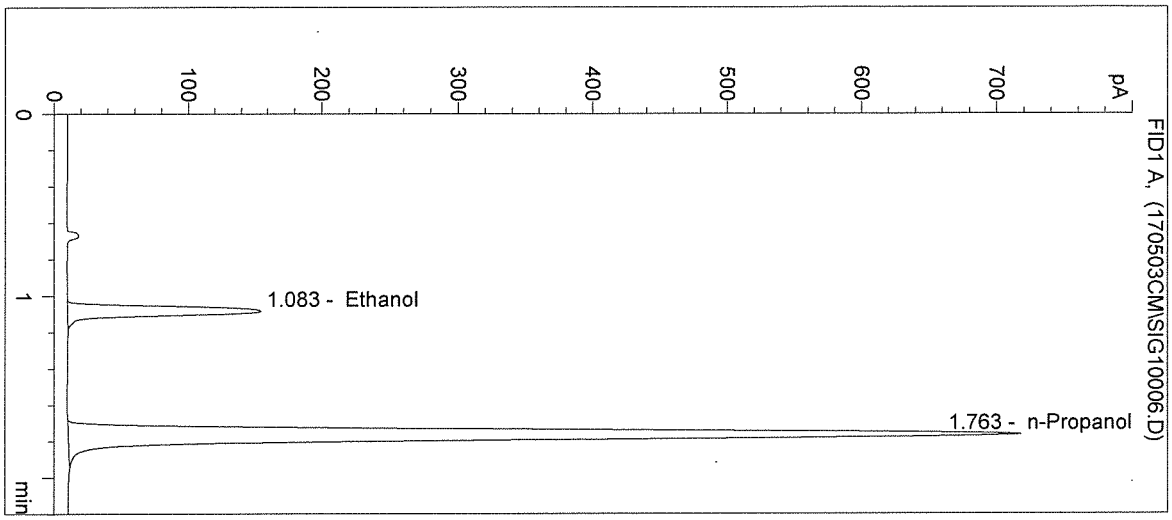


n-Propanol 0.012 g/100mL

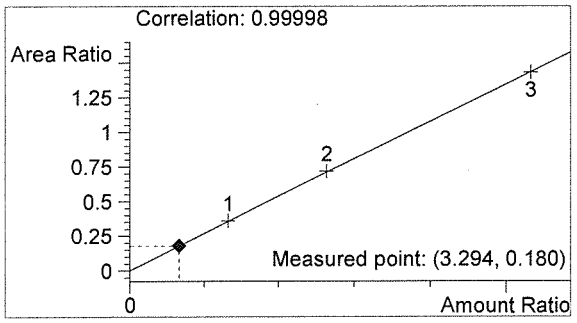
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 2:51:56 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

Sample Name: 0.04 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 6

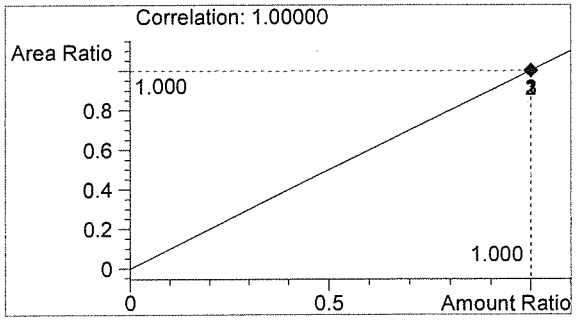


#	Compound	Peak Area	RT (min)
1	Ethanol	474	1.083
2	n-Propanol	2630	1.763



Ethanol 0.040 g/100mL

BST

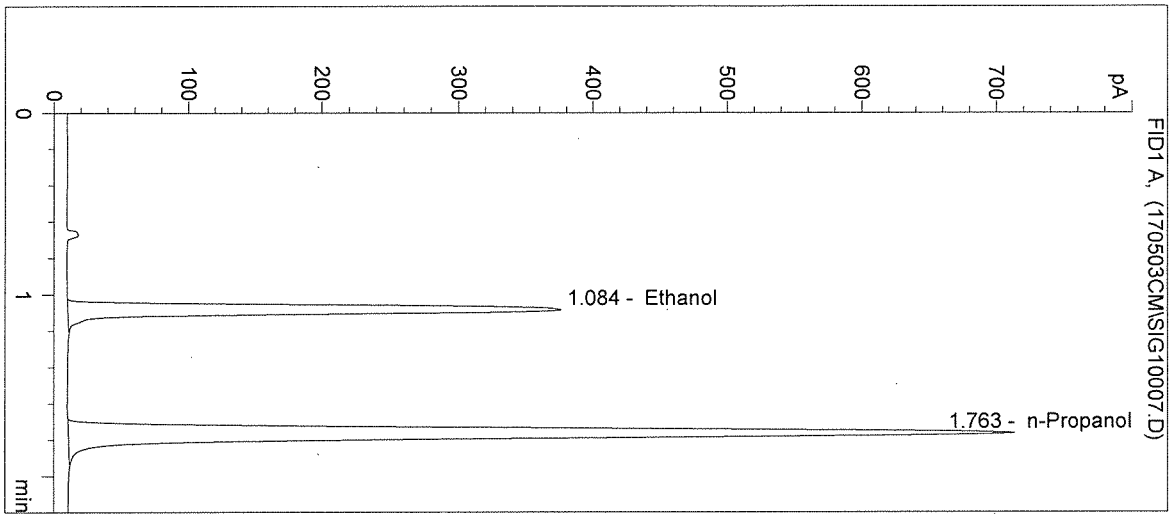


n-Propanol 0.012 g/100mL

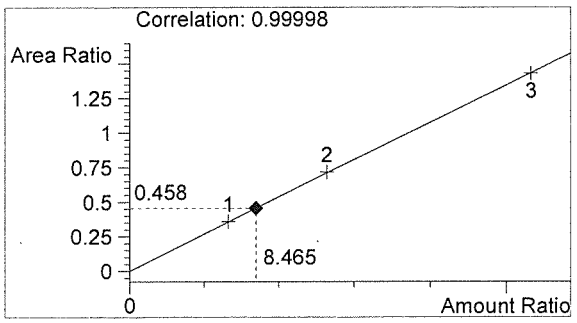
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 2:55:10 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

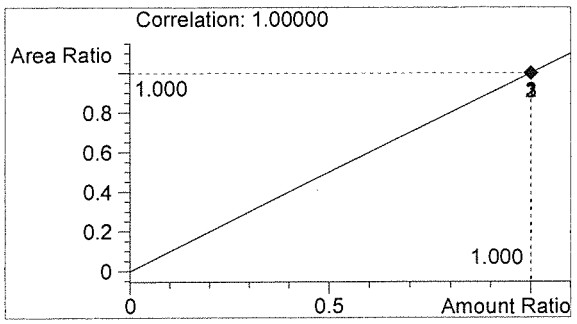
Sample Name: 0.10 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1200	1.084
2	n-Propanol	2620	1.763



Ethanol 0.102 g/100mL

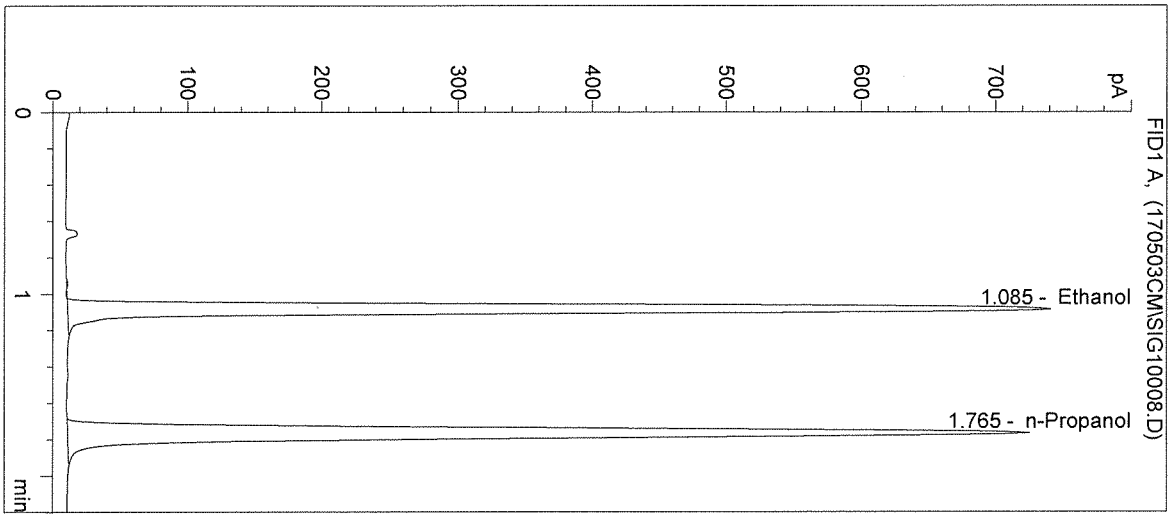


n-Propanol 0.012 g/100mL

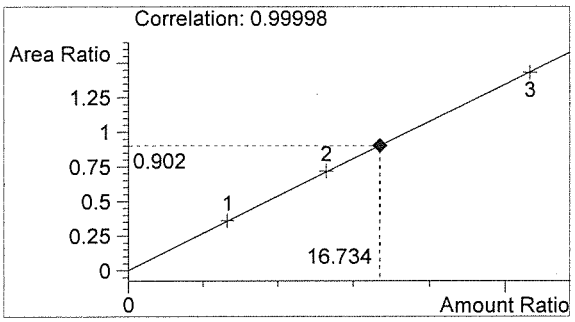
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 2:58:23 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

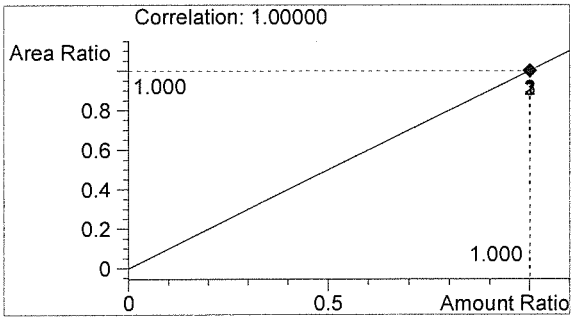
Sample Name: 0.20 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2402	1.085
2	n-Propanol	2663	1.765



Ethanol 0.201 g/100mL

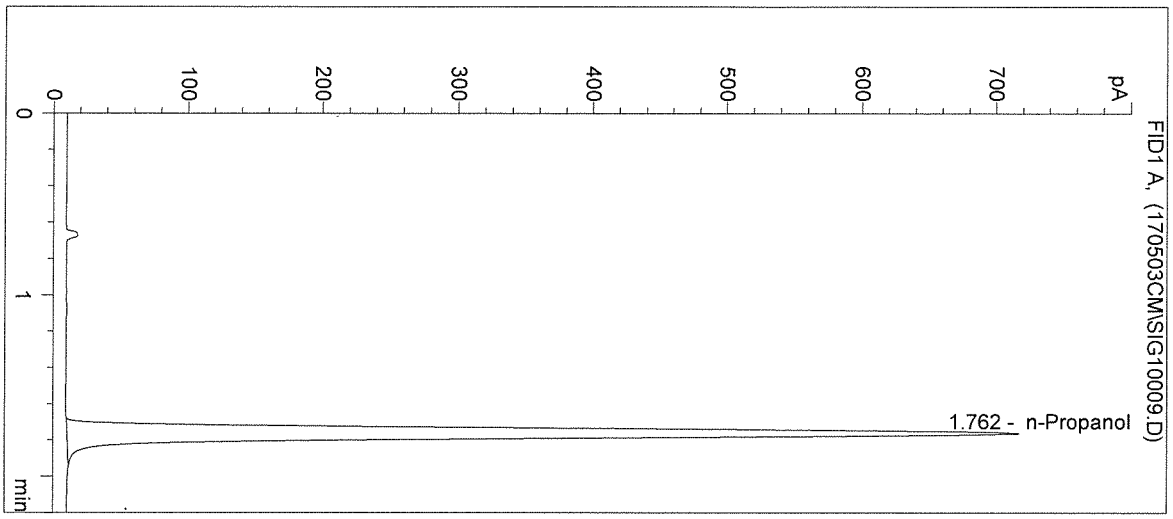


n-Propanol 0.012 g/100mL

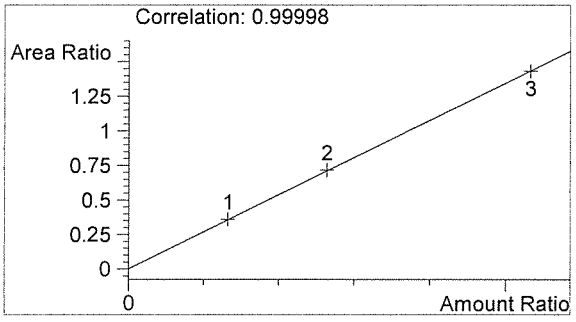
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 3:01:37 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

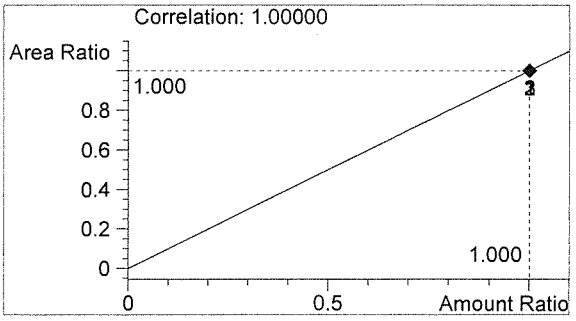
Sample Name: Negative CTRL
Operator: Christie Mitchell-Mata
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2626	1.762



Ethanol 0.000 g/100mL

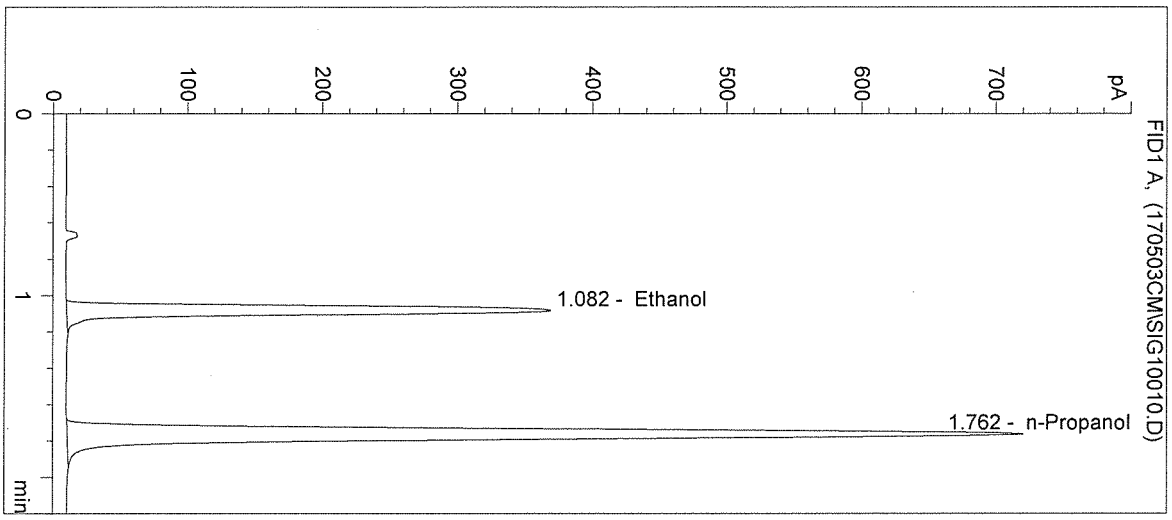


n-Propanol 0.012 g/100mL

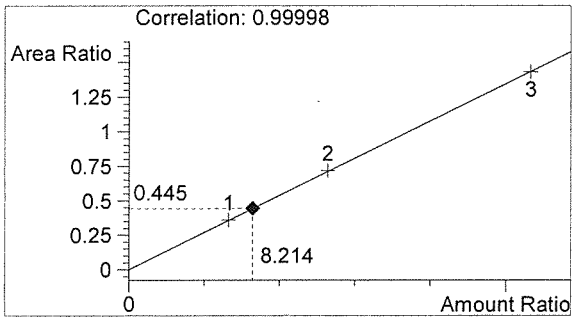
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 3:04:50 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

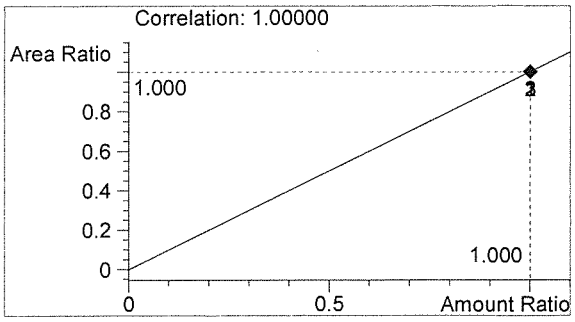
Sample Name: 17038 #1
Operator: Christie Mitchell-Mata
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1172	1.082
2	n-Propanol	2636	1.762



Ethanol 0.099 g/100mL

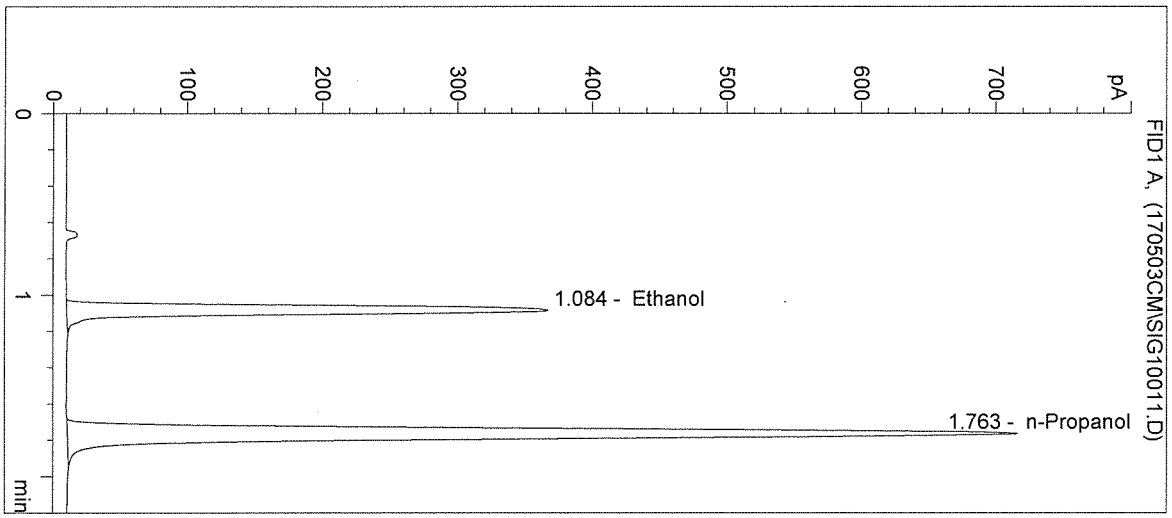


n-Propanol 0.012 g/100mL

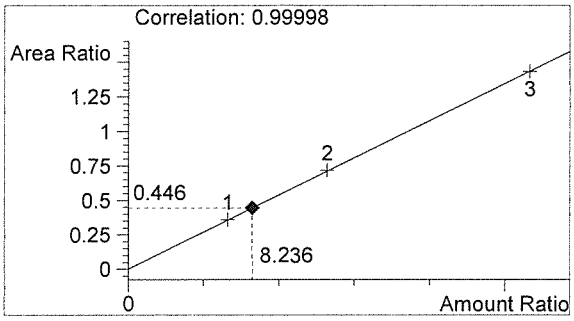
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 3:08:03 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

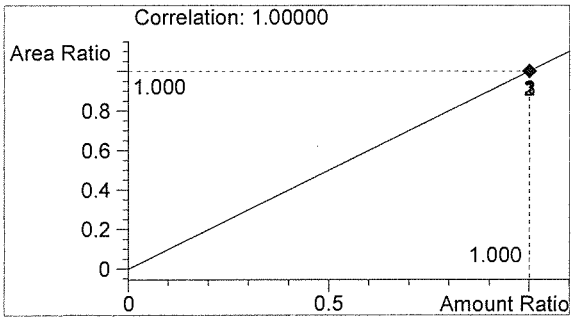
Sample Name: 17038 #2
Operator: Christie Mitchell-Mata
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1171	1.084
2	n-Propanol	2628	1.763



Ethanol 0.099 g/100mL

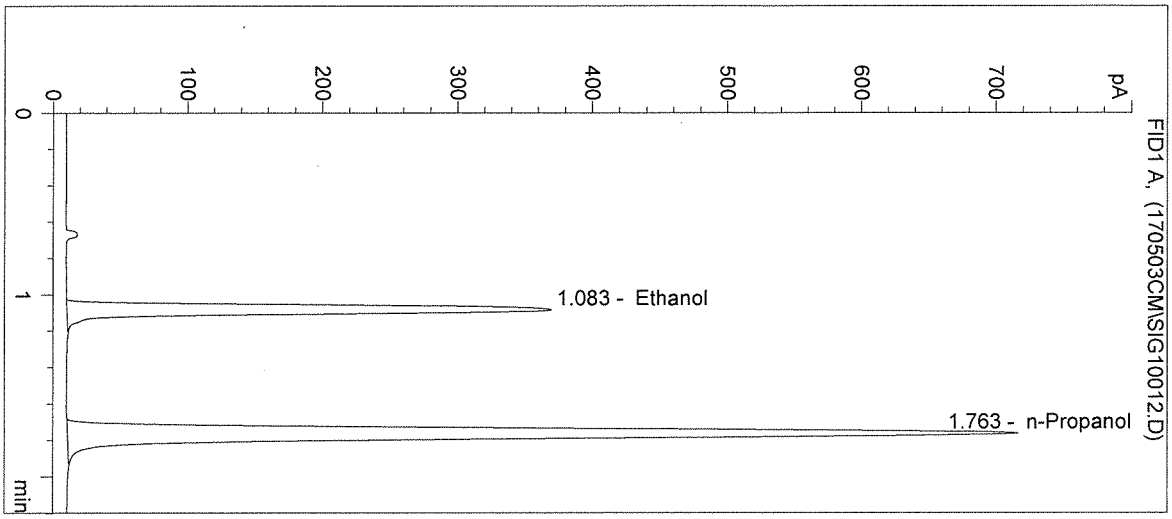


n-Propanol 0.012 g/100mL

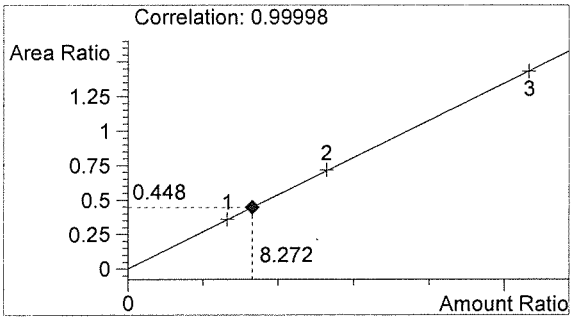
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 3:11:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

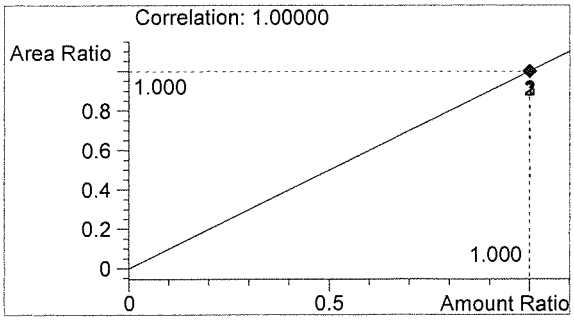
Sample Name: 17038 #3
Operator: Christie Mitchell-Mata
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1176	1.083
2	n-Propanol	2627	1.763



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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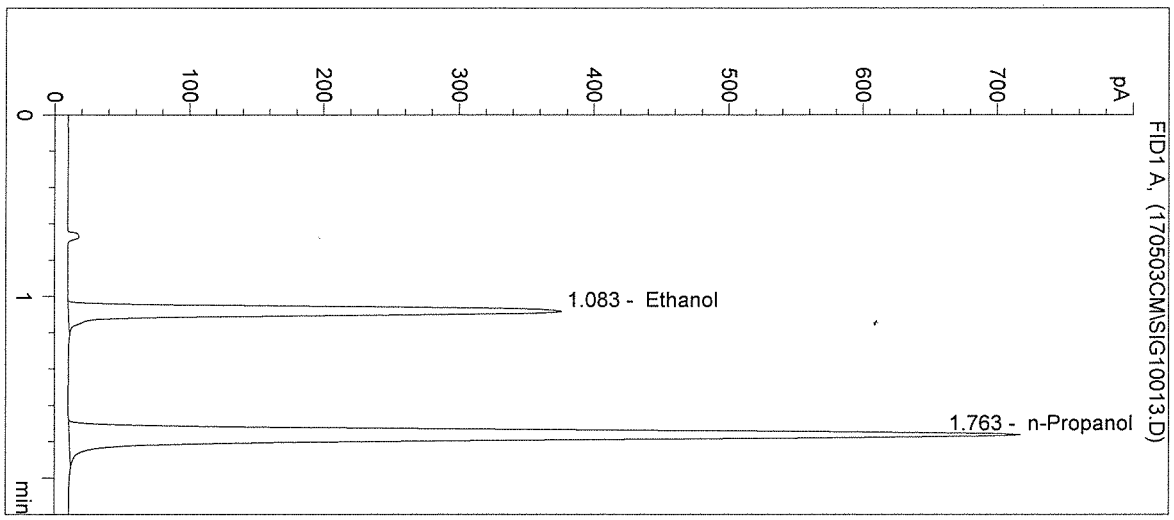
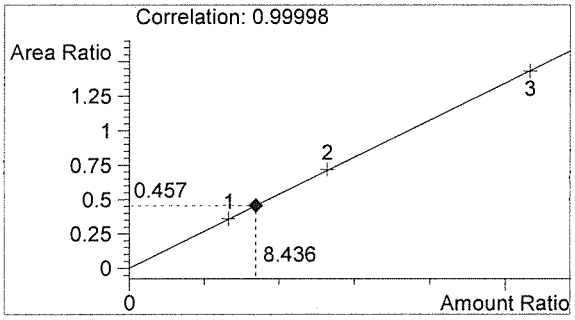
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 3:14:30 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

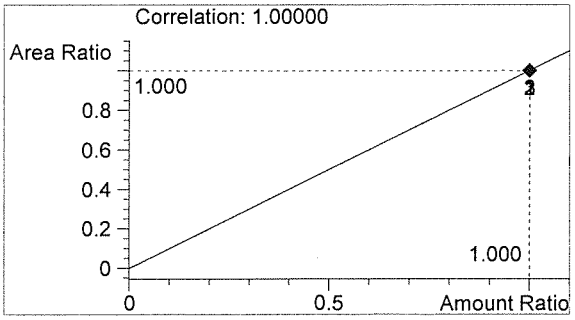
Sample Name: 17038 #4
Operator: Christie Mitchell-Mata
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1196	1.083
2	n-Propanol	2620	1.763



Ethanol 0.101 g/100mL

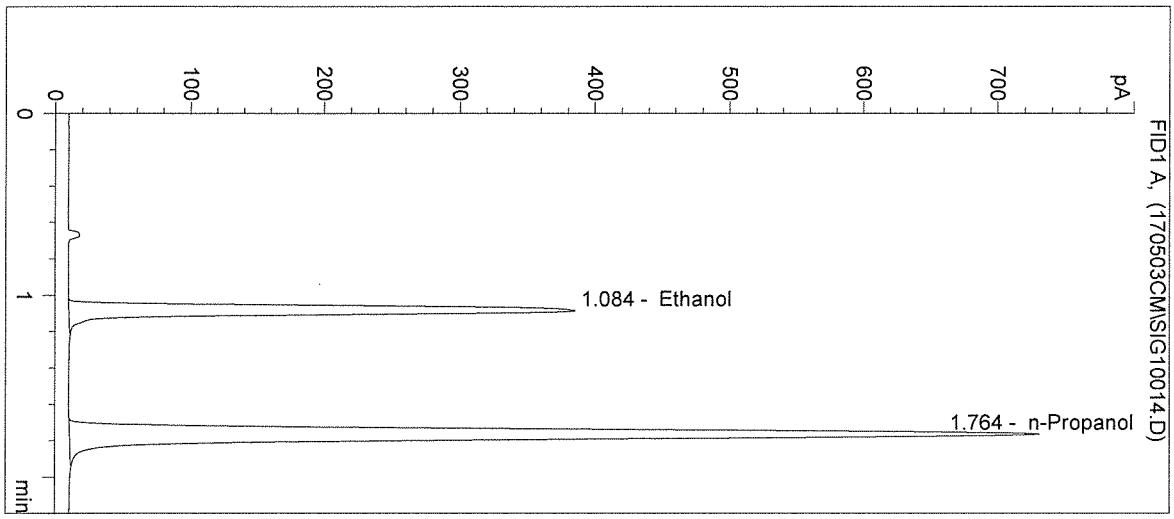


n-Propanol 0.012 g/100mL

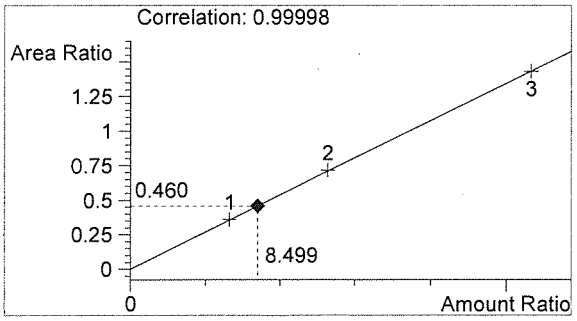
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 3:17:44 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

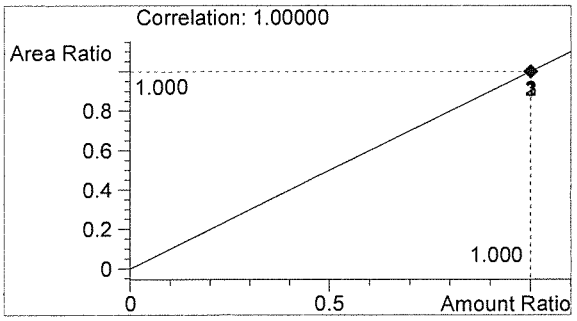
Sample Name: 17038 #5
Operator: Christie Mitchell-Mata
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1229	1.084
2	n-Propanol	2672	1.764



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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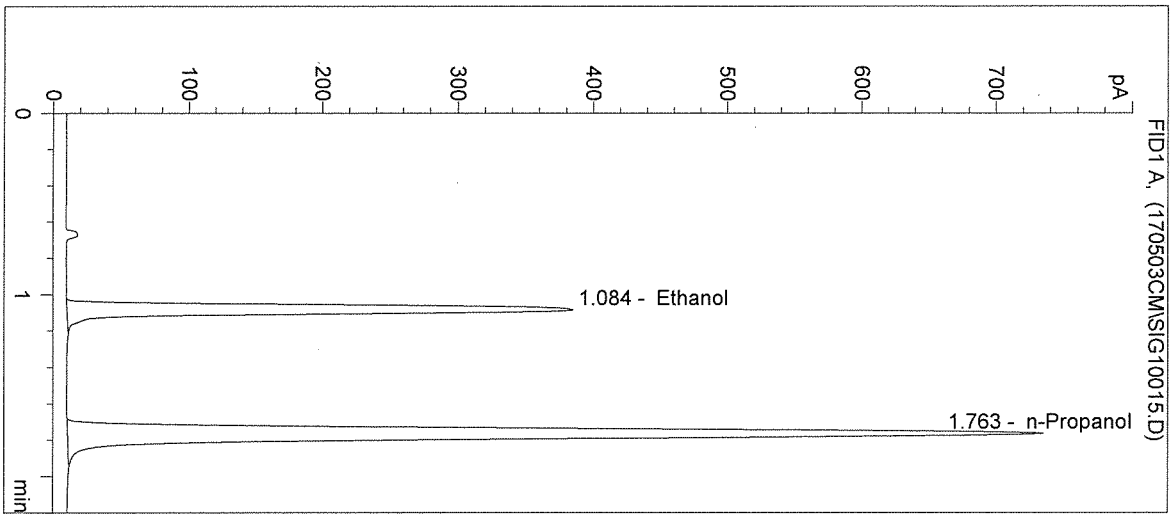
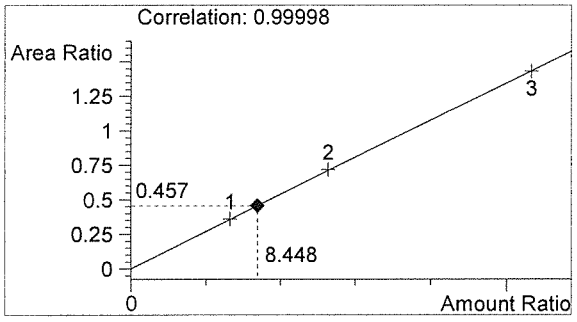
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 3:20:56 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

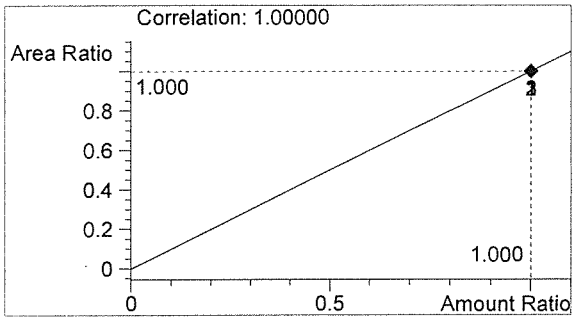
Sample Name: 0.10 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1232	1.084
2	n-Propanol	2695	1.763



Ethanol 0.101 g/100mL

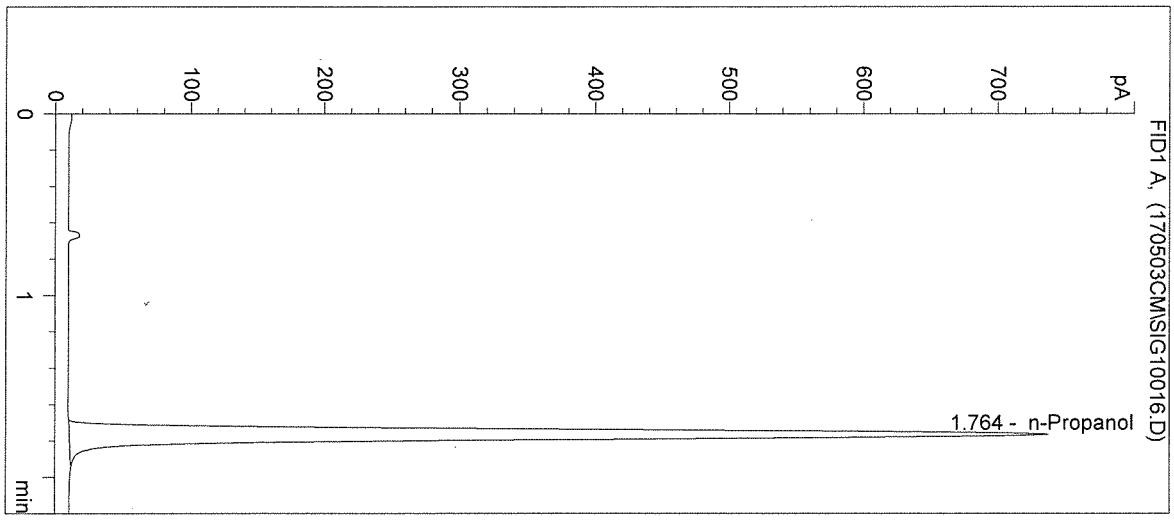


n-Propanol 0.012 g/100mL

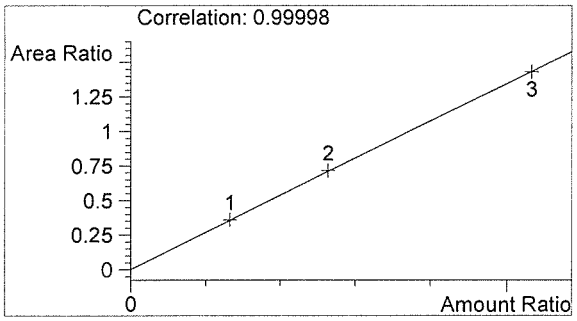
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 5/3/2017 3:24:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17038

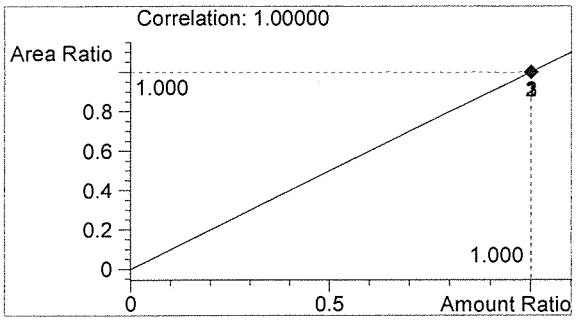
Sample Name: Negative CTRL
Operator: Christie Mitchell-Mata
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2703	1.764



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL
